

College Catalog 2020-2021



Sussex  **County**
COMMUNITY COLLEGE
START HERE, GO ANYWHERE!

HISTORY OF SUSSEX COUNTY COMMUNITY COLLEGE

Sussex County Community College was authorized as a College Commission by the New Jersey State Board of Higher Education in 1981, and we opened our doors in 1982. In 1988 Sussex achieved Candidacy for Accreditation status with the Middle States Association of Colleges and Schools. The College was founded as a Comprehensive College in 1992 and received full accreditation in 1993.

In 1989, College leaders had the foresight to purchase land and buildings that were originally the home of Don Bosco College. The 167-acre property was an educational institution with existing classrooms, office space, three ponds, and a campground. The campus has since become a landmark for a new era of education and community enrichment in Sussex County and northwestern New Jersey.

Since 1998, Sussex has grown beyond expectations, not only in student numbers, but in academic and career programs, personnel, and buildings.



Title IX and Section 504 Compliance

Sussex County Community College does not discriminate in admissions or access to, or treatment or employment on the basis of race, color, national origin, sex, disability, or age in its programs and activities. The following persons have been designated to handle inquires/complaints regarding non-discrimination policies: Title IX: Elizabeth Muller, Director of HR, 973-300-2338, emuller@sussex.edu, Student Center, Rm D313, Sussex Campus and Section 504: Annmarie Sacco, ADA Coordinator/Student Support Advisor/Counselor, Administration Bldg, Rm B206 Sussex Campus, 973-300-2153, asacco@sussex.edu.

TABLE OF CONTENTS

Sussex County Board of Chosen Freeholders,
Sussex Board of Trustees, Administrators, Deans,
Academic Department Chairpersons, Academic Program
Coordinators, Counselors & Advisors, Sussex
Foundation Board 3

Academic Calendars

2020-2021 Academic Calendar 4-5

About Sussex

Accreditation, Mission, Vision, Goals, College Core Values,
Fast Facts 6

Admissions & Registration

Admissions

Applying to SCCC, Chargeback, County & State Residency
Requirements, Declaration of Major, Home-schooled
Students, Immunization Requirements, International
Students Matriculation/Enrollment Status & Classification
Student Record Confidentiality, Summer and Winter
Sessions, Testing 7-8
Placement Using SAT or Accuplacer Scores 9

Registration

Adding & Dropping Courses, Withdrawals (from class,
no shows, medical), Graduation, Student Record
Confidentiality, Transcript and Transfer Information 10-12

Tuition, Fees and Financial Aid

Tuition & Fees

Tuition, Fees, Lab & Course Fees, Residency
Requirements, Refund Policy, Methods of Payment 13-14

Financial Aid

When to Apply, How to Apply for Financial Assistance,
Federal Verification, Student Portal, Changes in Financial
Circumstances and Unusual Situations - Request for
Professional Judgement, Other Aid, Federal Financial
Aid Programs, State Financial Aid Programs, New Jersey
Scholarships and Grants, Financial Aid Criteria,
Satisfactory Academic Progress for Financial Aid
Recipients, Federal Aid and Its Effect on Degree
Programs, Federal Student Aid Return Policy,
Institutional Charge Policy, Charges – Educational
Costs, More Financial Aid Information 14-21

Student Services

Advising and Counseling Center, Athletics, Campus
Life, Campus Store, Learning Resources, Online Tools,
Students Rights & Responsibilities, Textbooks, Veteran's
Affairs 21-24

Academics

Academic Requirements 24-25
General Education Requirements 25-28
Foundation Courses 28-29

Academic Services and Initiatives

Academic Advisement, Clearing Corporation Business
Learning Center, Computer Labs, Distance Learning,
Library, Programs for High School Students,
Service Learning, Transfer Articulation Agreements,
University Center and Writing Center 29-31

Academic Policies

Academic Fresh Start, Academic Integrity, Academic
Probation, Attendance, Life/Work Experience Credit,
Dean's List, Grading, Grade Appeal 31-33

Degrees & Certificates

The Associate in Arts, Associate in Fine Arts,
Associate in Science, Associate in Applied Science,
Professional Certificates 34-200
Course Descriptions 201-262

Health Sciences

EMT Program 262

Community Education

Community Education, Public Safety
Training Academy 263

Community & Activities

Alumni Association, Art Gallery, Betty June Silconas Poetry
Center, EDTV-Channel 20, College Foundation, Radio
Station - WRSK 97.5, Teen Arts 263

Campus Directory

Campus Departments and Phone Numbers 264

Directions & Campus Map

Directions to SCCC, Campus Map 265

Sussex County Board of Chosen Freeholders

Sylvia Petillo, Freeholder Director
 Dawn Fantasia, Freeholder Director
 Anthony Fasano, Freeholder Member
 Joshua L. Hertzberg, Freeholder Member
 Herbert Yardley, Freeholder Member

Sussex County Community College Board of Trustees

William P. Curcio, Chair
 Dr. Tyler Morgus, Vice Chair
 Dr. Paul B. Crowley, Secretary
 Hon. Michael J. Spekhardt, Sr., Treasurer
 E. Jane Brown, Member
 Dr. Thomas E. Digby, Member
 Maryanne Fox, Member
 Rachel A. Geraci, Member
 James Hofmann, Member
 Dr. Rosalie S. Lamonte, Member
 Olivia Beatrice Fisher, Alumni Representative

Administrators

Jon Connolly, Ph.D, President
 Ketan Gandhi, M.B.A., Executive Vice President of
 Finance and Operations, and CFO
 Kathleen Okay, Ed.D., Chief Academic Officer and Senior
 Vice President of Academic & Student Affairs
 Sherry Fitzgerald, Assoc. Vice President of Academic
 Affairs & Dean of Arts and Humanities
 Cory Homer, M.A., Assoc. Vice President of Student
 Success and Institutional Effectiveness

Deans

Sherry Fitzgerald, Dean of Arts and Humanities
 Jason Fruge, Dean of Technical Occupations
 Kathleen Gallichio, M.S., Assoc. Dean of Advising &
 Student Support Services
 Nancy Gallo, J.D., Dean of Professional Studies, Social
 Sciences, and STEM
 John Kuntz, M.A., Dean of Student Affairs and Director of
 Athletics

Academic Department Chairpersons

Stacy Golin, Ph.D., Social Sciences
 Maureen Murphy-Smolka, M.A., English & Humanities
 Sal Paolucci, M.A., Accounting and Business
 Joanne Taylor, Ed.D., Technical, Applied & Performing Arts

Academic Program Coordinators

Lydia Clark, M.B.A., Business
 Mary DeHart, Ed.D., Math
 Nancy Gallo, J.D., Legal Studies
 Deborah Lanza, M.A., Foundations for Success
 Donna Limmert, M.S.W., L.S.W., Human Services
 Robert Reeber, M.S., Computer Information Systems
 Joanne Taylor, Ed.D., Education (Child Development
 Specialist)

Program Supervisors

Erin Collins, Agricultural Business, Horticultural Science
 Debra Gianuzzi, Music and Musical Theater
 Jason Fruge, Automotive, Building Construction, Diesel
 Service Technology, Machine Tool Technology, Optics
 Technology, Electrical Lineman and Welding
 Martin Kester, Culinary Arts, Food and Beverage
 Management, and Hotel & Restaurant Management
 Susan Discorfanio-Catania, Cosmetology
 Nicholas Lionetti, Exercise Science

Counselors & Advisors

Erin Casne, M.A., Transfer Counselor & Coordinator for
 International Student Affairs
 Alyssa Hoekstra, M.A., LPC, ATR-BC, Advisor/Personal
 Counselor
 Annemarie Sacco, M.A., LAC, Counselor & ADA
 Coordinator/Section 504 Officer
 Robert Pohl M.A, Academic Advisor

Foundation Board

Stan Kula, Executive Director
 Christine Trusio, Development Assistant
 Joseph DiPaolo, Chair
 Dr. Jon Connolly, SCCC President
 William Curcio, SCCC Board of Trustees Chair
 Maryanne Fox, SCCC Board of Trustees Liaison
 Ann Bain, Member
 Dr. Howard Burrell, Member
 Jim Caristia, Member
 John Carafello, Member
 Jude DiGidio, Member
 Kurt Gewecke, Member
 Ketan Gandhi, Member
 Jamie LaCouture, Member
 Sean McGuire, Member
 Hon. Lorraine C. Parker, Member
 Judy Taterka, Member
 Roger Thomas, Member

ACADEMIC CALENDAR 2020-2021

FALL 2020

September 3	UPP & Senior Citizen Registration begins
September 7	Labor Day - College Closed
September 8	Classes Begin; Late Registration begins
September 14	Last day to late register or add a class
September 21	Last day to drop a class with a 100% refund (tuition & fees)
September 21	Last day to change to an audit
September 30	Last day to change Spring & Summer Incomplete grades
October 19	Registration for Winter begins
November 16 to	
November 25	Priority registration for Spring
November 25 (5:00 pm) to	
November 29	Thanksgiving Holiday – College Closed
November 30	Open registration begins
December 2	Last day to withdraw with a “W”
December 22	Final day of the semester
December 24 to	
January 4, 2021	Winter Break – College Closed

FALL EARLY FINISH 2020

September 7	Labor Day - College Closed
September 8	Classes Begin; Late Registration begins
September 10	Last day to late register or add a class
September 15	Last day to drop a class with a 100% refund (tuition & fees)
September 15	Last day to change to an audit
October 20	Last day to withdraw from Early Finish with a “W”
October 28	Final day of Early Finish

FALL DELAYED START 2020

September 28	Classes Begin; Late Registration begins
October 1	Last day to late register or add a class
October 7	Last day to drop a class with a 100% refund (tuition & fees)
October 7	Last day to change to an audit
November 25 (5:00 pm) to	
November 29	Thanksgiving Holiday – College Closed

December 9 Last day to withdraw from Delayed Start with a “W”

December 22 Final day of Late Start Session

FALL LATE START 2020

November 2	Classes Begin; Late Registration begins
November 4	Last day to late register or add a class
November 9	Last day to drop a class with a 100% refund (tuition & fees)
November 9	Last day to change to an audit
November 25 (5:00 pm) to	
November 29	Thanksgiving Holiday – College Closed
December 14	Last day to withdraw from Late Start with a “W”
December 22	Final day of Late Start

WINTER 2021

December 22	UPP & Senior Citizen Registration begins
January 4	Classes begin; Late Registration begins
January 4	Last day to late register or add a class
January 5	Last day to drop a class with a 100% refund (tuition & fees)
January 5	Last day to change to an audit
January 15	Last day to withdraw with a “W”
January 18	Martin Luther King Jr. Day – College Closed
January 20	Final day of semester

SPRING 2021

January 18	Martin Luther King Jr. Day – College Closed
January 21	UPP & Senior Citizen Registration begins
January 25	Classes begin; Late Registration begins
January 29	Last day to late register or add a class
February 5	Last day to drop a class with a 100% refund (tuition & fees)
February 5	Last day to change to an audit
February 15	Last day to change Fall & Winter Incomplete grades
February 22	Summer Registration Begins
March 15 to	
March 21	Spring Break

ACADEMIC CALENDAR 2020-2021

March 29 to April 9	Priority registration for Fall
April 12	Open registration begins
April 27	Last day to withdraw with a "W"
May 15	Final day of semester
May 19	Commencement

(Severe Weather Date - 5/20)

SPRING EARLY FINISH 2021

January 25	Classes begin; Late Registration begins
January 27	Last day to late register or add a class
February 1	Last day to drop a class with a 100% refund (tuition & fees)
February 1	Last day to change to an audit
March 12	Last day to withdraw from Early Finish with a "W"
March 15 to March 21	Spring Break
March 23	Final day of Early Finish

SPRING DELAYED START 2021

February 15	Classes Begin; Late Registration begins
February 18	Last day to late register or add a class
February 24	Last day to drop a class with a 100% refund (tuition & fees)
February 24	Last day to change to an audit
March 15 to March 21	Spring Break
May 3	Last day to withdraw from Delayed Start with a "W"
May 14	Final day of Delayed Start

SPRING LATE START 2021

March 29	Classes Begin; Late Registration begins
March 31	Last day to late register or add a class
April 5	Last day to drop a class with a 100% refund (tuition & fees)
April 5	Last day to change to an audit
May 6	Last day to withdraw from Late Start with a "W"
May 14	Final day of Late Start

SUMMER I 2021

May 20	UPP & Senior Citizen Registration begins
May 24	Classes begin: Late Registration begins
May 26	Last day to late register or add a class
May 27	Last day to drop a class with a 100% refund (tuition & fees)
May 27	Last day to change to an audit
May 31	Memorial Day – College Closed
June 22	Last day to withdraw with a "W"
June 28	Final day of semester



ABOUT SUSSEX

Accreditation

Sussex County Community College is accredited by The Middle States Association of Colleges and Schools
3624 Market Street, Philadelphia, PA 19104
Phone: 215-662-5606 • www.msche.org

The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation.

Mission, Vision, and Goals

Mission: We transform lives by providing lifelong learning opportunities through high quality academic, career and enrichment programs in an accessible and supportive environment to ensure student success.

Vision: Sussex County Community College will be a leader in NJ Higher Education as a premier provider of 21st-century learning opportunities, professional training, and skills development to meet the needs of the people of our community in a globally competitive environment.

College Core Values

Sussex County Community College is a student-centered and community-focused institution committed to:

- **Student Centeredness**
Putting students first.
- **Academic Excellence**
Ensuring a quality academic experience.
- **Integrity**
Acting with transparency and ethics in all that we do.
- **Quality Workplace**
An environment that attracts and maintains the highest quality faculty and staff.
- **Innovation**
Building on successes, investing in technology and embracing change.
- **Diversity**
Creating an environment that cultivates civility and respect.
- **Environmental and Fiscal Stewardship** Respecting our responsibility to the community.

Fast Facts

Sussex County Community College is a welcoming and friendly place where students are our top priority. The College is known for academic excellence and a nurturing environment. Learning takes place in well-equipped classrooms, around a naturally beautiful campus, and throughout the community. Sussex offers many of the amenities and advantages of a large institution combined with the unparalleled benefits of a smaller college.

Sussex has become the college of choice for nearly 2,500 students from Sussex County, New Jersey and several counties in Pennsylvania. Graduates consistently find employment or successfully transfer to other colleges and universities for further education.

Newton Campus: 167 Acres with 3 Ponds, 12 Buildings

Instructional Facilities: 38 Classrooms; 9 Health Sciences Classrooms/Labs; 14 Computer Labs; 5 Science Labs; 4 Art Studios; Dark Room; Graphics Lab; Performing Arts Center; Theater; Broadcasting Studio; Gymnasium; Business Learning Center

Instructional Programs: 24 Associate Degree Programs with 46 Degree Options, 11 Professional Certificates, 1 Health Science Certificate, 16 Certificates of Achievement and Community Education Training Certificates and Career Programs.

Course Delivery Systems: Courses are offered on the main campus, McGuire Technical Education Center, and at various locations throughout Sussex County. Courses can also be taken from home via online courses, ITV courses or telecourses. hybrid courses, combining online and classroom work are also available.

Satellite Location: Vernon Township High School

Fall 2018 Student Profile: Total: 2,300

Full-time: 1,318 (57.3%) Male: 1,143 (49.7%)

Part-time: 982 (42.7%) Female: 1,091 (47.4%)

Not Reported: 66 (2.9%)



ADMISSIONS AND REGISTRATION

ADMISSIONS

Academic Building (B) • 973.300.2223/2253

Sussex County Community College has an open enrollment policy. Admission to the College is open to all high school graduates, those holding a High School Equivalency (HSE), or other persons 18 years or older. Admission and registration are available on a rolling basis.

Eligible high school students may take Sussex classes through our Concurrent Enrollment Program, Dual Program, and Jump Start Program.

Students under the age of 18 will be required to obtain a signed, parental-enrollment consent form in order to take classes.

Applying to Sussex

An Application for Admission is available online at sussex.edu, from the Admissions Office or can be mailed upon request.

There is a \$25 non-refundable application fee. Applications are reviewed for admission to the College on an ongoing basis. Whether you wish to take a single course or enroll in full-time study, all new students must submit an application.

In addition to the completed application and fee, applicants must:

- Provide proof of immunization per the New Jersey law. (Note: students taking less than 12 credits are not required to comply with immunization standards.)
- Submit high school or other college transcripts or High School Equivalency (HSE) certificate.
- Recommended to apply for financial aid.

Chargeback

Sussex will provide a chargeback authorization at a New Jersey community college for Sussex County residents interested in pursuing a program not available at Sussex or any of its contracting institutions. Forms are available online.

County and State Residency Requirements

Any resident of Sussex County who is a high school graduate or is 18 years of age or older may apply for regular admission to Sussex. New Jersey residents who do not live in Sussex County may attend Sussex and receive chargeback assistance through their home counties if the community college in their county does not offer the program they wish to pursue. Students from out-of-county may also attend by paying the out-of-county tuition rate.

Declaration of Major

All students pursuing a degree or a certificate are encouraged to declare a major at the point of admission. Students may change majors by filing a Declaration of Major Form in the Registrar's Office, B217 or forms are available online. Students cannot change a major online. Students are not required to declare a major but students must declare a major to be eligible for financial aid.

Immunization Requirements

New Jersey State law requires that all full-time community cNew Jersey State law requires that all full-time community

college students provide proof of the following immunizations (immunization certificates required):

- 2 doses of the measles vaccine
- 1 dose of the mumps vaccine
- 1 dose of the rubella vaccine
- 3 doses of the Hepatitis B vaccine
- 2 doses of the Meningococcal vaccine (new for Fall 2020 incoming students)

Students born prior to 1957 are exempt from the measles, mumps, and rubella requirements only and need to present proof of age (i.e., copy of driver's license or birth certificate).

Hepatitis B Vaccine

New Jersey State law also requires that all new, full-time, degree-seeking students enrolling at a public or private institution of higher education in this state shall be vaccinated for Hepatitis B (Three [3] doses). This includes students born prior to 1957.

Meningococcal Vaccine

As of June 15, 2020, New Jersey State law now requires that all full-time, degree-seeking students enrolling at a community college of higher education in this state shall be vaccinated for Meningitis (Two [2] doses). This includes students born prior to 1957.

For more information, please visit sussex.edu/current-students/immunization-record or contact the Registrar's Office at (973) 300-2218.

International Students

Sussex County Community College is an SEVP approved school and welcomes international students.

International students hold an F-1 student visa and must be enrolled full time, for at least 12 credit hours, during the fall and spring semesters' and must maintain a cumulative grade point average of 2.0 or better at all times.

International students are not eligible for financial aid but may qualify for scholarships through the College's Foundation. They may utilize the College's academic support services, Advising and Counseling Center, and are welcome to participate in clubs, and all student activities.

Matriculation/Enrollment Status and Classification

Any student, full-time or part-time, enrolled in a degree or certificate program is considered to be matriculated.

A student registered on the tenth day of classes (the official College recording date) for 12 or more credits is considered full-time. A student with 11 credits or less is designated as part-time. (Federal financial aid regulations may impose additional definitions.)

Students attending college for the first time are designated as first-time freshmen and, thereafter, freshmen through the first 32 credits. Students with 33 or more credits are classified as sophomores.

Summer and Winter Sessions

Sussex offers one winter and three summer sessions. Current

ADMISSIONS AND REGISTRATION



students, eligible high school students and students from other colleges can enroll in classes during these sessions.

This opportunity allows students to progress more rapidly through their programs, make up classes they may have missed or transfer credits to other colleges. For more information, contact the Advising and Counseling Center or visit the sussex.edu.

Testing

Administration (B) Building • 973.300.2155

College Placement Testing

Sussex is committed to each student's academic success. The testing policy is designed to give all students an opportunity to succeed by beginning in the appropriate courses that will maximize learning.

Sussex does not require an entering student to take the College Placement Test in the subject areas of reading, writing, computation, or algebra, however, the College-level Mathematics Placement Test, Advanced Algebra and Functions, will be required to show proficiency in order to enroll in pre-calculus or calculus courses unless one of the following waiver conditions is met:

1. The student has earned a college degree.
2. The student is taking Sussex courses that are approved for personal enrichment.
3. The student meets a special program standard or exception.

Results of Placement Tests do not affect admission to Sussex but are used as a measure of skill competency, along with other measures, for appropriate placement into college-level coursework.

Based on Placement Test results, students will be eligible to register for Sussex courses, based on the chart on page 9.

CLEP and Challenge Exams

Many students come to Sussex with in-depth knowledge they have acquired through independent or prior study, cultural or special interest, or have skills or knowledge gained from internships and/or professional experience. Challenge Exams and CLEP Exams enable a student to forgo introductory courses, moving them to classes in their major or prospective career areas. Satisfactory scores allow students to save

time, shortening the path to their goals. Not every course is appropriate for a Challenge or CLEP Exam. There is a non-refundable proctoring fee for each CLEP Exam.

A maximum of 50% of the credits required for a degree (A.A., A.S. or A.F.A.) or certificate program or up to 39 credits for an A.A.S. degree may be granted for CLEP, Challenge Exams, and transfer credit or any combination thereof.

Applications for most Challenge Exams including the Challenge Exam for COMS 110 can be obtained from the Advising and Counseling Center. To schedule the Pre-Calculus Challenge Exam, please call the Testing Center. Sussex is a national CLEP Testing Center.

High School Equivalency (HSE) Test

The High School Equivalency Test is administered each month. Tests are offered on Mondays and Saturdays to accommodate participants. Any New Jersey resident, 18 years or older, who do not have a high school diploma is eligible to take the exam. For students less than 18 years, please contact HSE Program Coordinator (973) 300-2158.

Licensing Exams in the Medical Field

Information on licensing exams for health science certificates is available from the Health Science department.

Proctoring for Outside Institutions

Exams are proctored for students doing distance learning with other institutions. There is a proctoring charge, payable through the Bursar's Office. Call the Testing Center for information.

Thomas Edison University Examination Program

The Thomas Edison Credit-by-Examination Program (TECEP) enables students to earn college credits for knowledge gained through work experience. Sussex is a TECEP testing center. TECEP brochures can be obtained by writing to:

Thomas Edison College
101 W. State Street, Trenton, NJ 08625

ADMISSIONS AND REGISTRATION

PLACEMENT USING SAT, ACT OR ACCUPLACER SCORES

Based on placement testing results students will be eligible to register for Sussex courses as follows:

English & Reading	Score	Initial Placement
SAT - Evidenced Based Reading and Writing ACT - English Accuplacer-WritePlacer OR Accuplacer-WritePlacer Accuplacer-Sentence Skills Accuplacer-Reading Comprehension	450 or higher 23 or higher 6 & Above 5 & Scores for: 88 or higher OR 83 or higher	College-Level Courses: ENGL101 English Composition I, or any college-level course without an additional prerequisite
Accuplacer-WritePlacer Accuplacer-Sentence Skills & Reading (SS&R)	4 or 5 & <i>Combined Scores in SS&R</i> 119 - 169	Critical Reading & Writing II ENGL011 Reading/Writing
Accuplacer-WritePlacer & Reading Accuplacer-Sentence Skills	4 & below and 117 or below	Critical Reading & Writing I ENGL009 Reading & Writing I
Many Science, Business and Computer Science courses also require		
Mathematics Placement	Score	Initial Placement
SAT - Mathematics ACT - Math Accuplacer-Elementary Algebra	500 or higher 23 or higher 76 or higher	College Level Mathematics: MATH104 Contemporary Math OR MATH106 Concepts OR MATH210 Statistics
Accuplacer-Mathematics Accuplacer-Mathematics	0 - 68 69 or higher	Developmental Mathematics: MATH010 Basic Mathematics MATH015 Introductory Algebra I OR MATH023 Basic Algebra
Elementary Algebra	20 - 47 48 - 75	MATH015 Introductory Algebra I and MATH017 Algebra II MATH023 Basic Algebra
College-Level Mathematics	0 - 49 50 - 68 69 or higher	MATH040 Intermediate Algebra MATH110 Pre-Calculus I MATH113 Calculus I
<p>** In addition to a CLM score of 69 and above, students should have one semester of Trigonometry for MATH113 OR should take MATH112, Pre-calculus II before beginning MATH113.</p> <p><u>Please Note:</u> Testing criteria is subject to change. Please consult with a counselor for current information.</p>		

ADMISSIONS AND REGISTRATION

REGISTRATION

Academic (B) Building • 973.300.2215/2219

Adding and Dropping Courses

Courses may be added only through the first five days of the fall and spring semesters and dropped through the first ten days of the fall and spring semesters, or equivalent time for a summer, short term, and winter term (see the Academic Calendar for the exact dates each semester). Students can add and drop courses through the student portal until the end of the 100% refund period. Students may complete an official Add/Drop form and submit this form to the Registrar's Office, email from their Sussex email account or withdraw by mail or fax with a request bearing an original signature. The postmark on such written notification will be used to determine the percentage of the refund, if any. Dropped courses are removed from the transcript and thus do not count towards enrollment, financial aid, deferrals, health insurance, and athletic eligibility.

Add/Drop days are pro-rated for sessions less than a full fall or spring semester.

Students who neglect to follow official procedures and who stop attending classes will be assigned the grade of "FN" at the end of the semester or term. To avoid unnecessary costs and penalties, students are advised to discuss all Add/Drop procedures with their advisor. Students may withdraw from a class during the published withdrawal period but withdrawal procedures must be strictly followed. No refunds are available past the posted refund policy deadline.

Students receiving financial aid must stop in the Financial Aid Office to determine if the drop/withdrawal will have any effect on aid.

Withdrawal from Classes

A student planning to withdraw/drop from Sussex classes must do so in writing. Any student who does not withdraw/drop in writing before the posted refund calendar dates (see Academic Calendar for the exact date each semester) will be liable for payment of full tuition and fees. Failure to attend class does not constitute an official withdrawal. Students may email from their Sussex email account or withdraw by mail or fax with a request bearing an original signature. The postmark on such written notification will be used to determine percentage of refund, if any. Full payment of tuition and fees and an "FN" grade may result if written notification is not provided to the Registrar's Office.

Withdrawal Forms are available in the Advising & Counseling Center and must be filed in the Registrar's Office.

For students utilizing financial aid (grants, loans, scholarships), it is strongly encouraged that you check with the Financial Aid Office to determine the effect on your financial aid status before making a withdrawal.

No Shows (Administrative Withdrawal)

Students who are "No Shows" (defined as not attending class throughout the first ten days of a semester, or equivalent for a shorter term, as indicated by the faculty on the tenth-day roster or equivalent roster), will be dropped. This drop will be the same as a student-initiated drop and will not appear on the student's transcript. The student will be notified via email.

A dropped class may affect the enrollment status of a student (i.e., dropping from full-time to part-time). A student who fails to notify the College of non-attendance will be charged a \$50 per course Administrative Withdrawal fee.

Reinstatement to a class from which a student has been dropped as a "No Show" will require the student to state, in writing and to sign that they are attending the course and the faculty member to acknowledge, in writing and to sign, that the student is attending the course. These acknowledgments may be on the same or different pages but must be submitted to the Registrar's Office by the date indicated on the "No Show" notification letter from the Registrar.

Medical Withdrawal

Students who withdraw from all classes due to severe medical circumstances may qualify for a 50% tuition credit (fees not included) or a 50% cancellation of tuition debt (fees not included). Financial aid students should contact the Financial Aid Office to review the impact on their aid. Please go to the Registrar's Office (B217) for the most updated policy and procedures.

Deadline for submission of medical documentation:

Fall semester: May 31 Winter semester: May 31
Spring semester: August 31 Summer semesters (all): December 31

Graduation

All students MUST apply for Graduation

Students anticipating graduation MUST file a graduation application (whether or not you are planning on participating in the commencement ceremony) available at the Registrar's Office or on sussex.edu. There is a \$50 Application. For multiple, simultaneous degree/certificate applications, an additional \$10 is charged for each degree/certificate.

There are three graduation dates per year, January, May, and August. Only one commencement ceremony is conducted and that is held in May. Students wishing to participate in the May ceremony must apply by March 1st.

APPLICATION DEADLINES

- For January graduates you must apply by December 1st
- For May graduates you must apply by March 1st
- For August graduates you must apply by July 1st

Students are strongly urged to file their application early in the preceding semester. Students filing early will have a documented review of their credentials and any outstanding course work to guide them through the registration process.

Graduation Requirements:

- Students are subject to the academic requirements set forth in the catalog in use during the year they entered the College. When a student declares or changes their program/major the requirements of the program/major that are in effect at that time will apply, as set forth in the College Catalog.
- Students will be invited to the May commencement ceremony of the year they apply. Students who apply late may miss the opportunity to participate in the May commencement ceremony. Students participating in the May ceremony will become graduates upon successful completion of all program requirements.
- Degree candidates are required to satisfy all prerequisites courses.

ADMISSIONS AND REGISTRATION

- Must complete all required course work with no less than a cumulative 2.0 average.
- Must fulfill all graduation requirements, including the Foundations for Success and the Capstone Course for their program.
- Students should check with their advisors or the Advising & Counseling Center to determine specific responsibilities.

Students with outstanding obligations to the College will not receive grades, transcripts, or a diploma until such obligations have been satisfied. Outstanding obligations may also prevent a student from registering for classes.

Academic Distinction at Graduation

Honors are conferred upon a degree completion to students who have demonstrated outstanding work throughout their Sussex career.

The awards are based on the following scale:

Highest Honors	3.90–4.00 grade point average
High Honors	3.75–3.89 grade point average
Honors	3.50–3.74 grade point average

To be eligible upon degree completion, a student's academic record must show no repeated college credit courses, at least 50% of the degree requirements must be earned at Sussex and no grades below "C." This is notated on the transcript.

Certificate and Certificate of Achievement candidates do not qualify for honors at graduation.

Student Record Confidentiality

Annually, Sussex County Community College informs students of the Family Educational Rights and Privacy Act of 1974 (FERPA), as amended. This Act, was designed to protect the privacy of educational records.

FERPA affords students certain rights with respect to their education records. These rights include:

1. The right to inspect and review the students education records within 45 days of the day the College receives a request for access.
Students should submit to the Registrar written requests that identify the records they wish to inspect. The College official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Registrar that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes is inaccurate or misleading.
A student should submit a written request to the College official responsible for the record, clearly identify the part of the record they want to be changed, and specify why it is inaccurate or misleading. If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests. A school official is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Upon request, the College may disclose education records without consent to officials of another school in which a student seeks or intends to enroll. Sussex has designated certain information in the education records of its students as directory information for the purposes of FERPA. Directory information will be released at the discretion of the College and without the consent of the student unless the student informs the Office of the Registrar in writing within the first ten class days that all such information about him or her is not to be made public without his or her consent.

The following is considered directory information at SCCC: name, address, college email address, major, sports participation, height and weight of the sports team members, dates of attendance, full or part-time enrollment status and degrees, honors and awards received.

Information will be made available to the parents of a student only when written permission is received from the student.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Sussex to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

**Family Policy Compliance Office
U.S. Department of Education**

400 Maryland Avenue, SW • Washington, DC 20202-4605

Copies of a more detailed policy statement may be obtained at the Registrar's Office.

Transcript and Transfer Information

Transcripts

A transcript is the official record of a student's academic performance. Students may request official transcripts to be sent to other institutions, for scholarships and to employers. Students may also request an unofficial transcript for their personal use. Students enrolled may also access their records and print out an unofficial transcript through the password protected student portal at my.sussex.edu.

The first request for an official transcript is free of charge, and subsequent requests are \$5 each. All requests must be in writing and must include the student's name, social security or Sussex identification number and signature as well as the complete name and address of the institution to receive the transcript. Transcripts cannot be faxed. Students should plan on three (3) working days for processing since transcripts are not available

ADMISSIONS AND REGISTRATION

on demand. No transcripts will be sent for any student with an outstanding obligation to the College.

Normally, official transcripts are sent directly from the Registrar's Office to the other college. Sussex may provide, under special circumstances, an official transcript in a sealed envelope marked "Official transcript issued in a sealed envelope. Void if the seal is broken," provided the name of the receiving institution is submitted with the request.

Transfer Credit Procedure (Transferring to Sussex)

Students seeking transfer credit to Sussex should follow the procedure outlined below:

1. A student wishing to transfer credits to Sussex must submit an Application for Admission, have official transcripts from previous colleges sent directly to the Registrar's Office and be registered for classes. Upon registration an official evaluation will be done and a report will be sent to their Sussex student email.
2. Sussex will accept a maximum of 50% of the credits required for a degree (A.A., A.S. or A.F.A.) or certificate or up to 39 credits for an A.A.S. degree earned at other institutions, by experiences and/or by examination (CLEP, AP, or Challenge) in order to complete requirements for a degree from SCCC. If science and computer courses are older than eight (8) years, students will be required to repeat them. (For the PCCC Nursing Program there is a five-year limit on science courses, from the date of the course completion.)
3. These credits will be entered in the Credits Earned column of the transcript and will not affect a student's quality point average.
4. Transfer credits earned at other institutions are entered on the transcripts only after a student has been accepted and matriculated in a curriculum.
5. A minimum grade of "C" or its equivalent is required for transfer credit to be applicable to a student's certificate or associate degree curriculum.
6. Special accredited courses and other training will be evaluated (i.e. Ponsi, banking, ACE, military) on an individual basis.
7. International students must have their foreign transcripts translated and evaluated into US equivalents by a National Association of Credential Evaluation Services (NACES) member.

Transferring from SCCC

At Sussex, we prepare students to transfer to the top colleges and universities in New Jersey and across the nation. More than 70% of Sussex graduates continue their education. Students who plan to transfer should work closely with the Transfer Counselor.

Statewide Transfer Agreement

In September 2008, the Governor and the state legislature created a law that established a statewide transfer agreement for students transferring from a New Jersey community college to a New Jersey public four-year college or university.

Students can now seamlessly transfer their academic credits from a completed community college Associate in Arts (A.A.) degree to a Bachelor in Arts (B.A.) or Associate in Science (A.S.) degree to a Bachelor in Science (B.S.) program at New Jersey's public four-year colleges and universities.

Students who plan to transfer to another institution should work closely with the Transfer Counselor to ensure that their courses and majors meet the standards of the Agreement.

While the law does not cover New Jersey's private colleges and universities, many of those institutions have established policies that allow community college graduates to transfer with full junior standing.

One tool that can help students is the NJ Transfer (njtransfer.org). NJ Transfer allows students to see how their community college credits will transfer to many public and private New Jersey four-year colleges and universities. Students should use the Plan Academic Program (RTP) link on njtransfer.org.

In addition, Sussex has established Transfer Articulation Agreements with many private four-year colleges as well as some of the public colleges for specific programs of study. Those colleges include Cedar Crest College, Centenary College, Drew University, College of Saint Elizabeth, Fairleigh Dickinson University, East Stroudsburg University, Felician University, John Jay College of Criminal Justice, Montclair State University, Marywood University, New Jersey Institute of Technology, Ramapo College, Rutgers University-Newark, Suny Canton, Suny Cobleskill, and William Paterson University. For the academic programs that Sussex offers, see Transfer Agreements under Academics.



TUITION, FEES AND FINANCIAL AID

The following information is for the 2020-2021 academic year. Sussex County Community College reserves the right to change the tuition and fees for subsequent semesters.

TUITION

Sussex County Residents and Veterans	\$140 per credit
North Warren High School Residents.....	\$140 per credit
Out of County/State Residents.....	\$210 per credit
Monroe, Pike, Wayne County (PA), Orange County (NY).....	\$210 per credit
Other Out-of-State Residents/International Students	\$280 per credit

Auditing Classes same as regular fees.

Sussex County residents 65 years and older are entitled to free tuition and fees for eligible college-level courses offered by Sussex. College lab fees are paid by the applicant at the time of registration for applicable classes. In lieu of full waiver, Sussex requests a minimum \$50 donation per class toward "Student Scholarships".

Free tuition for senior citizens is offered with the following conditions:

- the class must be eligible for the senior citizen free tuition (the enrollment excludes trade or field experience courses, as well as some Lab courses);
- paid enrollment warrants the course being conducted;
- sufficient space is available in the class; and
- registration for the course must occur only during the final two business days before the start of the semester. Applicants who opt to register earlier are not eligible for free tuition.

Applicants may take the course for college credit or may choose to audit the course.

Applicants must register in person during the specified registration time period (the final two days before the start of the register), and must present proof of eligibility at the time of registration. Applicants may seek advising assistance from the Advising & Counseling Center, but must register at Office of the Registrar.

FEES

Application Fee (one time only, non-refundable) **\$25**

The application fee covers administrative overhead costs of processing admission requirements, advisory counseling, transcript records and the maintenance of a permanent file.

Accuplacer (Placement) Test Fee **\$10 per test**

Administrative Withdrawal Fee.....**\$50 per course**

A student may request an official transcript from the Registrar's Office. Students are entitled to their first transcript without charge. The fee is required in advance for each additional transcript.

Course Materials Fee..... **\$3 per course**

The course material fee covers some of the cost of materials provided to students during the semester.

General Fee..... **\$40 per credit**

The General Fee covers the cost of incidental services associated with matters pertaining to student welfare, campus

life and the collegiate environment. This fee is non-refundable.

Graduation Fee..... **\$50**

A Graduation Fee is charged upon application for graduation. An additional \$10 is charged for multiple, simultaneous degree/certificate applications.

This fee may be waived if proof of current coverage is provided by the prescribed date. Insurance is also available to part-time students.

Late Payment Fee **\$50**

A non-refundable late payment fee is charged to all students failing to pay by the prescribed date.

Online Course Fee **\$100 per online course**

Return Check Fee **\$50**
This fee is charged to the student for a check that is returned to Sussex from a bank for insufficient funds.

Student Services Fee **\$20 per credit**

Covers the fees for athletics and campus activities

Technology Fee **\$25 per credit**

Transcript Fee (the first one is free)..... **\$5 per request**

A student may request an official transcript from the Registrar's Office. Students are entitled to their first transcript without charge. The fee is required in advance for each additional transcript.

Lab and Course Fees

Course Fee

Exercise Science Courses **\$46**

3 credit course Lab Fee **\$140**

4 credit course Lab Fee **\$186**

5 credit course Lab Fee **\$232**

Trade and Field Experience Courses..... **\$186**

Passaic County Community College Fees*

Nursing I Lab Fee **\$2030***

Nursing II Lab Fee **\$2030***

Nursing III Lab Fee **\$2030***

Nursing IV Lab Fee **\$2030***

Nursing IV Seminar Lab Fee **\$270***

Nurse Clinical Fee **\$1250***

Please note: Students will not be able to continue their education and/or receive grades or transcripts unless their financial obligations have been satisfied. Tuition and fees are subject to change. Additional lab and course fees may apply, please reference sussex.edu for up-to-date information.

* Fees are determined by Passaic County Community College.

Residency Requirement

In order to qualify for in-county status regarding tuition, a student is required to present evidence of his or her permanent Sussex County residence at the time of application.

Refund Policy

Students who withdraw from classes, in which they have been officially registered, offered by Sussex or one of its contracting institutions, shall be eligible for a refund in accordance with the refund schedule listed below provided the withdrawal procedure has been followed. (See Withdrawal from Classes Under Registration).

TUITION, FEES AND FINANCIAL AID

Students may file a Withdrawal Form (available in the Advising and Counseling Center) at the Office of the Registrar or in writing via their Sussex student email to registrar@sussex.edu. Requests must include student's name, Student ID number, semester, course, and the student's signature.

Please see the Academic Calendar for refund and withdrawal dates.

Methods of Payment

Students are encouraged to pay their semester bill online thru the student portal, my.sussex.edu, using their Student ID number and password. Online payments may be made by credit card or debiting a checking account (E-check). An installment payment plan is also available online for a \$35 enrollment fee. Students may also pay their bill by mail or in person at the Bursar's Office.

Students receiving financial aid should check their my.sussex portal for awards and missing information. Any difference between the tuition and fee bill and financial aid award must be paid by the tuition due date prior to the start of each semester.

FINANCIAL AID

Administration (B) Building • 973.300.2225

Sussex County Community College recognizes that many families need assistance in meeting their educational costs. The College's financial aid programs assist students who would be unable to attend without financial help.

The College expects that students and their parents will contribute to the extent of their abilities toward meeting their educational costs. All students are encouraged to complete the Free Application for Federal Student Aid (FAFSA).

Financial aid is available to those who demonstrate need. Need is defined as the difference between what it costs to attend Sussex and what a student may reasonably be expected to contribute. Unless otherwise designated, all assistance offered by or through Sussex is awarded on the basis of financial need and satisfactory academic progress.

Sussex participates in all federal and New Jersey state aid programs. These programs include federal and state grants, as well as low-interest loans and campus employment opportunities. Students applying for financial aid are considered for all programs for which they are eligible.

When to Apply

Students should complete a FAFSA for each year after October 1st but before April 15th to be considered for maximum grant aid.

How to Apply for Financial Assistance

Follow the steps outlined below. The Financial Aid Office offers FAFSA Workshops for students who need assistance. Check the website for scheduled dates. Please allow enough time before the start of the semester to avoid missed deadlines.

1. Complete a Free Application for Federal Student Aid (FAFSA).
 - a. The FAFSA is available online at StudentAid.gov.
 - b. FAFSA Workshops are held twice a week to assist with the FAFSA Application. Visit sussex.edu/fafsaworkshops.
 - c. Use your FSA ID and password to sign for the student (and

parent if applicable). Create your FSA ID and password at StudentAid.gov.

- d. Print a copy of the confirmation page for your records.

e. The Sussex School Code is 025688.

2. NJ residents must click on the "Start Your State Application" link on the FAFSA confirmation page to answer the additional state aid questions.
3. If requested by the Financial Aid Office, provide an official final high school transcript, or High School Equivalency (HSE) Test. (faxes not accepted).
4. Eligibility for assistance is determined as a result of information submitted to the Federal Student Aid Processing Center on the Free Application for Federal Student Aid (FAFSA).

The Processing Center calculates an Expected Financial Contribution (EFC). The EFC is provided on the Federal Student Aid Report (SAR).

Federal Verification

After a student receives their Student Aid Report, he or she will be notified through their Sussex email if they have been selected for federal verification. If the student is selected for verification they will be required to do the following:

1. Complete the appropriate Verification Worksheet available on the Financial Aid website at sussex.edu/financialaidforms.
2. Submit a copy of the students and their parent's (if parental information was required) signed Tax Return or IRS generated Tax Return Transcript to the Financial Aid Office. Transcripts can be printed by accessing your records at www.irs.gov
3. Students should submit all other documentation as requested to the Financial Aid Office.

Student Portal

We strongly encourage students to use the My.Student Portal to view both their financial aid awards as well as missing documents needed to complete their financial aid file. The student portal is available from my.sussex.edu.

Most of the required forms are available for download at sussex.edu/financialaidforms.

Changes in Financial Circumstances and Unusual Situations – Request for Professional Judgment

Students should notify the Financial Aid Office of any changes in their financial circumstances and unusual situations that may occur. Examples are loss of a job, reduction of non-taxable income, disability or death of a parent or spouse, separation or divorce, etc. All may have an effect on the students need for assistance. If the student's circumstances have changed, updates may be required to their application. Submit a request by completing the Request for Professional Judgment Form located on our website. In all cases, third party documentation is required.

Other Aid

Students are required to notify the Financial Aid Office and/or Bursar's Office when any outside financial assistance such as scholarships and/or third party funding is given to the student.

FINANCIAL AID

Federal Financial Aid Programs

There are several Federal programs that may be available for those who qualify, to help reduce the cost of education. The programs include grants, work study, and loans.

Federal Pell Grant (Pell)

The processed FAFSA will determine a student's eligibility for a Pell Grant. The grant value is dependent upon the FAFSA analysis and is sensitive to the course load taken. The grant could range from \$652 to \$6,095 annually.

Federal Supplemental Educational Opportunity Grant (SEOG)

This grant requires no additional application and is awarded to students via random selection, who show exceptional need. Awards range from \$100 to \$600 annually. Award amounts vary depending on the availability of funds.

Federal Work Study (FWS)

Federal Work Study is designed to provide employment for needy students. Earnings for services are paid on the 15th and last day of the month by automatic deposit and do not appear as a credit against school charges. Eligibility for the program is determined by the Financial Aid Office and priority is given to students demonstrating the most financial need.

Funding for FWS is provided by a yearly allocation from the federal government. Students may not earn more than the amount stated on their Work Authorization Form.

Students select an employment location from our job listings. FWS is part of the student's financial aid package, they will be referred to Human Resources for employment location and the date he or she will start to work. Employment follows the academic calendar and usually averages 10 to 20 hours per week. The College pays, but is not limited to paying, the prevailing minimum wage.

As part of the FWS, students may be able to participate in the Community Service Learning (CSL) program. Work is usually performed at an off-campus location, but must be in the public interest at a non-profit, community-based employer. In the CSL program students are employed in positions which are designed to directly improve the quality of life for community residents, particularly low-income individuals, or to solve particular problems related to their needs in areas such as health care, childcare, literacy training, education, and counseling.

As with all FWS students, the College determines if eligibility requirements have been met and matches the student to the work location. Supervisors schedule duties and work hours. In no case may the student exceed the budgeted amount of earnings set by the Financial Aid Office. Work hours in the CSL program could be up to the maximum of 20 hours per week. The employment contract is for one semester and may be renewed for a following semester as long as the student is enrolled.

William D. Ford Federal Direct Loan Program (Direct Loan)

The loan may be used to help cover costs not met by grant assistance. Subsidized maximum loan amounts for dependent students are \$3,500 for the freshman year (one to 32 college-level credits earned) and \$4,500 for the sophomore year (33 or more college-level credits earned). An additional \$2,000 in an un-subsidized loan is available for dependent students.

Independent students may borrow more. Loans are not recommended and are to be used only if all other options are exhausted.

Students must complete the following before a loan can be awarded and disbursed.

1. FAFSA: StudentAid.gov
2. Entrance Counseling: studentloans.gov
3. Master Promissory Note: studentloans.gov
4. Sussex Direct Student Loan Request Form: sussex.edu/student-services/financialaid/forms

Subsidized: A loan for which a borrower is not responsible for the interest while in an in-school, grace, or deferment status. Subsidized loans include Direct Subsidized, Direct Subsidized Consolidation Loans, Federal Subsidized Stafford Loans and Federal Subsidized Consolidation Loans. If you are a first-time borrower on or after July 1, 2013, there is a limit on the maximum period of time (measured in academic years) that you can receive Direct Subsidized Loans. This time limit does not apply to Direct Unsubsidized Loans or Direct PLUS Loans. If this limit applies to you, you may not receive Direct Subsidized Loans for more than 150 percent of the published length of your program. This is called your "maximum eligibility period." Your maximum eligibility period is generally based on the published length of your current program. You can usually find the published length of any program of study in your school's catalog.

Unsubsidized: A loan for which the borrower is fully responsible for paying the interest regardless of the loan status. Interest on unsubsidized loans accrues from the date of disbursement and continues throughout the life of the loan. Unsubsidized loans include: Direct Unsubsidized Loans, Direct PLUS Loans, Direct Unsubsidized Consolidation Loans, and Federal Unsubsidized Stafford Loans, Federal PLUS Loans, and Federal Unsubsidized Consolidation Loans.

Dependent Students			
Academic Level	Annual Limit Subsidized	Annual Limit Additional Unsubsidized	Total Annual Limit
1st year (1-29 credits earned)	\$3,500	\$2,000	\$5,500
2nd year (30+ credits earned)	\$4,500	\$2,000	\$6,500
Note: Additional Unsubsidized Loan funds of up to \$4,000 per year, (not included in chart) may be available for students whose parents are denied a Parent Loan for Undergraduate Students (PLUS)			
Independent Students			
Academic Level	Annual Limit Subsidized	Annual Limit Additional Unsubsidized	Total Annual Limit
1st year (1-29 credits earned)	\$3,500	\$6,000	\$9,500
2nd year (30+ credits earned)	\$4,500	\$6,000	\$10,500

Points to Remember:

- Exit Counseling is required before permanently leaving the campus (graduation or transfer to another college), dropping to less than half-time during a semester or taking a semester off. Visit StudentAid.gov to complete.

FINANCIAL AID

- Students have several repayment options to repay the loan. Payment schedules are set up with a servicer prior to repayment of the loan. Loans are made in the student's name only. It will be the student's responsibility to repay their loan. It is recommended that all other avenues of assistance be explored before considering a Direct Loan

Typical Monthly Payments

The Sample Repayment Amounts chart is a projection of the approximate amount of monthly installments over different periods of time required to amortize various levels of indebtedness.

Sample Repayment Amounts						
	at 5.6%		at 6.8%		at 6.8%	
Total Borrowed	Monthly Payment	# of Payment	Monthly Payment	# of Payment	Monthly Payment	# of Payment
\$2,500	\$50.00	57	\$50.00	58	\$50.00	59
\$5,000	\$54.51	120	\$55.51	120	\$57.54	120
\$7,500	\$81.76	120	\$83.26	120	\$86.31	120
\$10,000	\$109.02	120	\$111.02	120	\$115.08	120

Student Loans Exit Counseling Requirement

All students who have borrowed funds through the Federal Stafford Student Loan Program are required to complete Exit Counseling upon graduation, transfer or enrollment dropping below half-time. Exit Counseling may be accomplished online at StudentAid.gov. Students should contact their servicer if they are experiencing difficulties in repaying their loan. Students have many options available including deferring payments. Please note that a deferment of both principal and interest is available to students in Peace Corps service, Domestic Volunteer Service Act service or Community Service at a tax exempt organization.

Parent Loan for Undergraduate Study (PLUS)

This is a loan to enable parents with good credit to borrow for their children who are enrolled in college on at least a halftime basis. Loans are at variable interest rates and could be for amounts up to the cost of education, minus any financial assistance for which the student is eligible.

State Financial Aid Programs

Regulations are subject to change. Contact the Financial Aid Office for details.

NJ Tuition Aid Grant

State grants are available to full-time students based on need. Grants range from \$1,228 to \$3,084 annually.

NJ Part-time Tuition Aid Grant

This state program is for students who take between 6 and 11 credits. Awards range from \$598 to \$2,048 annually depending on course load. As with all state aid, a Free Application for Federal Student Aid must be filed before state deadlines.

Educational Opportunity Fund Grant

EOF grants are available to students from educationally and economically disadvantaged backgrounds who meet eligibility requirements. Award amounts vary depending on enrollment

status, college costs and financial need. EOF grants are renewable annually based upon continued eligibility. Applicants must also contact the campus EOF director to apply for admission into the program. The college will determine the value of the grant.

NJ STARS

NJ STARS is a state program for students who graduate from a NJ high school and who rank in the top 15% at the end of their junior or senior year of high school. Reference the NJHESAA website at www.njgrants.org for up-to-date information and eligibility.

NJ CLASS

NJ CLASS is a state loan program for students and their families who are either NJ residents or are an out-of-state resident attending a NJ college. Please reference the NJHESAA website at njgrants.org for up-to-date information and eligibility.

New Jersey Scholarships and Grants

State Aid Deadlines (N.J. residents only)

- Received TAG in the prior academic year - April 15
- Did not receive TAG in the prior academic year - September 15

Governor's Industry Vocations Scholarship (NJ-GIVS) for Women and Minorities.

This scholarship pays up to \$2000 per year or up to the cost of tuition in an eligible certificate or degree program, less any federal, state or institutional financial aid. Funding is limited and awards are made on a first-come, first-served basis. To receive an award all eligibility must be met.

Law Enforcement Officer Memorial Scholarship (LEOMS)

This is a state grant for dependent children of New Jersey law enforcement officers killed in the line of duty. Must be enrolled full time in an undergraduate degree program. The award amount cannot exceed an amount equal to the recipients' annual cost of attendance that is not covered by any other scholarship, grant, benefit or assistance administered by HESAA.

NJ Volunteer Firefighters and Rescue Squad Program

This program is to aid volunteer firefighters and rescue squad members, their spouses, and dependent children. The value of the assistance is \$600 annually, but may not exceed \$2,400 over a four year period. Confirmation and eligibility must be provided through municipal letter. The program is for tuition costs only and the student is responsible for fees and books.

New Jersey World Trade Center Scholarship

This scholarship is for eligible dependent children and surviving spouses of New Jersey residents who were killed in the terrorist attacks on September 11, 2001 or later died from injury or exposure to the site. Students must be enrolled full-time and is limited to 8 years from the date of graduation or eight years from the date of the death of the spouse.

Survivor Tuition Benefits (STB)

This program is for eligible children and surviving spouses of New Jersey firefighters, emergency service workers or law

FINANCIAL AID

enforcement officers killed in the line of duty. Students must be enrolled at least half time and will cover the cost of tuition only.

Financial Aid Criteria

Billing Procedures: The College expects that students will pay for their school expenses as they are incurred, i.e. per semester. It should be noted that financial assistance is applied first to tuition charges, then to required fees. Additional expenses such as laboratory fees, books, class trip expenses, and supplies may be covered with any remaining assistance.

Aid Disbursement: Fall and spring semester aid will be disbursed once attendance is confirmed for all classes. Summer aid will be disbursed once attendance is confirmed for all classes. First-time, first-year student loan borrowers will have their loan disbursement delayed for 30 days. Students who have single semester loans will receive two disbursements. Aid generally is electronically transferred to the College from federal, state, and private aid programs and from both federal and private loan programs. Using the College computer system, aid is released to the Bursar's Office for application against account balances. Credit balances are sent to the student by check, mail or by direct deposit.

Satisfactory Academic Progress for Financial Aid Recipients

In compliance with Final Program Integrity Rules published October 29, 2010, Sussex has adopted a policy concerning the Satisfactory Academic Progress (SAP) requirements for financial aid recipients. Federal and state regulations impose limits on how long a student may continue to receive Federal and State aid in order to make up deficiencies in meeting SAP standards.

A review of satisfactory academic progress will be done at the end of each semester/payment period. Summer terms are considered a semester/payment period; therefore satisfactory academic progress will be evaluated at the end of the summer session as well, if the student enrolls and attends summer session(s). The evaluation period will be based on attendance in all prior semester(s) and will include all classes attempted whether federal aid was received or not.

Each student who receives either federal or state assistance (including student/parent loans) must make satisfactory academic progress toward the attainment of his or her degree or certificate as a condition of receiving financial aid.

To be considered making satisfactory academic progress a student must have a 2.0 CGPA (Cumulative Grade Point Average), and complete a certain percentage of their credits (see chart)*. Students must keep within a maximum time frame which would be limited to no more than 150% of the published length of the program for undergraduate study. Please note that remedial and repeated coursework are counted in the cumulative GPA. This is why the cumulative GPA on a student's transcript may not match the cumulative GPA derived from the financial aid calculation.

Credits	Completion Rate
0-12	50%
13-18	60%
19 and greater	67%

Remedial Coursework

Remedial coursework will be excluded from the completion rate

but will be included in the GPA calculation. Students may receive financial aid for developmental credits up to a maximum of 30 credit hours. ESOL courses do not count in this 30 credit hour limitation.

Repeated Coursework

If a student receives an "F" the first time he or she takes a course they may attempt the course again utilizing financial aid, in order to gain a passing grade. If a student has passed an attempted course with a "D" they may take the course utilizing financial aid once more to improve their "D" grade.

Repeated Coursework and Enrollment Status

Repeated courses may include any repetition of the course in a student's enrollment status for a term as long as the student has never passed the course. If the student passes the course, Sussex may include one repetition after passing the course. Any second or subsequent repetition of the passed course may not be included in the student's enrollment status for purposes of the Title IV, HEA, programs.

Transfer Credit

Sussex will count transfer credit hours that are accepted toward a student's educational program as both attempted and completed hours.

Change of Major

Students seeking second degrees and students with double majors are monitored like any other students under this policy. Students that change their major more than twice may affect their maximum timeframe. Coursework from a previous major will not count toward attempted credits.

If or when the student exceeds the maximum time frame allowed for their respective programs, students may appeal if they have mitigating circumstances. All transfer hours accepted by Sussex will be included when determining maximum timeframe eligibility.

New Terminology

Financial Aid Warning is a status assigned to a student who fails to make satisfactory academic progress at a school that evaluates academic progress at the end of each payment period, and chooses to allow students who fail progress standards to continue to receive aid. This is for one semester.

Financial Aid Probation is a status assigned to a student who fails to make satisfactory academic progress and who has appealed and has had eligibility for aid reinstated. This is for one semester.

No Aid Status (Suspension) is a status assigned to a student who fails to make satisfactory academic progress after a semester of warning. The student may appeal this status. See appeals process below.

Academic Plan is a plan of action that will help the student achieve minimum satisfactory academic progress. The Academic Plan is the result of the appeals process.

The Process

Warning

Students not making satisfactory academic progress after their first semester will be placed on a Warning and notified accordingly. A Warning allows a student to continue to receive

FINANCIAL AID

Title IV and State aid automatically. This Warning period lasts for only one semester.

If after the Warning period the student still does not meet SAP standards, the student loses financial aid eligibility but has the right to appeal. Sussex may choose to reinstate federal and state eligibility based on the appeal.

The Appeals Process

The circumstances under which a student would be permitted to submit an appeal are: death of a relative, injury or illness of the student, or other special circumstances.

A student will be required to submit an appeal form along with a letter explaining why the student failed to make SAP, what has changed in the student's situation that would allow the student to demonstrate satisfactory academic progress at the next evaluation and should include any supporting documentation.

An appeal may be approved only if the school has determined that the student will be able to meet SAP standards after the subsequent semester/payment period.

Academic Plan

Part of the successful appeals process will be the development and acceptance of an Academic Plan. The Academic Plan is set up to help the student meet the minimum standards for academic progress.

At the end of the semester of probation, the Financial Aid Office will determine if the student is meeting the minimum standards for satisfactory academic progress.

1. If the student is meeting the minimum standards for satisfactory academic progress the student will no longer be considered on a probation status for financial aid.
2. If the student is not meeting the minimum standards for satisfactory academic progress, the Financial Aid Office will determine if the student met the terms of his/her academic plan.
 - a. If the terms of the plan are met, the student will be eligible to continue on a probation status for financial aid.
 - b. If the terms of the plan are not met, the student will be ineligible for financial aid until the student is meeting the minimum standards of satisfactory academic progress on a self-pay basis.

Probation

Once the appeal is granted and an academic plan is created, the student is then placed on Financial Aid Probation. A student on Financial Aid Probation may receive federal and state funds for one payment period. If after the one semester of Probation the student still does not meet SAP standards, the student will lose financial aid eligibility, however, if the terms of the academic plan are met, the student will be eligible to continue on a probation status for financial aid.

Regaining Financial Aid Eligibility

- A student who has lost financial aid eligibility may regain eligibility after taking classes at his/her own expense (self-pay) and meeting minimum requirements of 2.0 GPA and a completion rate in accordance with the completion rate chart within the 150% time frame.
- It is the student's responsibility to notify the Financial Aid Office when these conditions have been met.
- All classes (including those taken at other institutions) will be taken into consideration for reinstatement purposes.

- Students who exhaust the 150% time frame may appeal if they have mitigating circumstances.

How to Keep Financial Aid Eligibility

What Happens	Your Financial Aid Status	What you need to do										
If your GPA drops below a 2.0	Warning - You may continue to receive financial aid for one semester	Raise your GPA to a 2.0 or higher.										
Or, if your overall completion rate is less than these criteria: <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Completion</td> <td></td> </tr> <tr> <td style="text-align: center;">Credits</td> <td style="text-align: center;">Rate</td> </tr> <tr> <td style="text-align: center;">0-12</td> <td style="text-align: center;">50%</td> </tr> <tr> <td style="text-align: center;">13-18</td> <td style="text-align: center;">60%</td> </tr> <tr> <td style="text-align: center;">19 and greater</td> <td style="text-align: center;">67%</td> </tr> </table>	Completion		Credits	Rate	0-12	50%	13-18	60%	19 and greater	67%	Warning - You may continue to receive financial aid for one semester.	Raise your completion rate per the chart to become eligible for financial aid.
Completion												
Credits	Rate											
0-12	50%											
13-18	60%											
19 and greater	67%											
After you have exhausted your semester of Warning, if your GPA remains below a 2.0 and/or your overall completion rate is less than the criteria stated above.	Removal of financial aid	You can appeal if you have mitigating circumstances. If your appeal is approved you will need to successfully complete the academic plan associated with your appeal.										
If you attempt over 150% of your program of study (major)	Suspended - You are not eligible for financial aid	You can appeal if you have mitigating circumstances. If your appeal is approved you will need to successfully complete 100% of all classes and required to maintain an overall GPA of 2.0 or higher.										
If you have completed your semester of probation and have not successfully completed the academic plan associated with your appeal.	You are not eligible for financial aid	You can regain eligibility after taking classes at own expense and meeting minimum requirements of 2.0 GPA and a completion rate in accordance with the chart within the 150% timeframe.										

Completion Rate Worksheet:

	Enter your hours	Sample
Total Credit Hours Earned	_____	25
divided by	/	/
Total Credit Hours Attempted	_____	35
Equals	=	=
Completion Rate	_____	71.4%

Degree Programs

A student (i.e., one who is not taking developmental courses) must complete his or her associate degree program after attempting no more than 150% of the total hours required in the program.

All hours attempted including repeated course work are counted whether or not financial aid was received.

Federal Financial Aid Review is completed at the end of each semester.

FINANCIAL AID

Federal Student Aid Return Policy

The Higher Education Act of 1998 has revised the way the College must manage the Return of Federal Aid Funds whenever the student stops attending all classes and/or officially withdraws from all classes or is dismissed while classes are in progress. Because federal funds may only be fully utilized after the student completes the first 60% of the term (in days), any withdrawals or stop-outs within the first 60% of the term will necessitate an award adjustment. Should the student find that he or she cannot complete the term, he or she must immediately notify the Financial Aid Office. Failure to attend classes or to officially WITHDRAW IN WRITING will result in the student being billed for tuition and fees. The student's financial aid may be reduced or withdrawn and the student may jeopardize their eligibility for future assistance.

If it is necessary for Federal Aid to be returned, it will be accomplished in the following order:

1. Unsubsidized Stafford Loan
2. Subsidized Stafford Loan
3. Federal Plus Loan
4. Pell Grant
5. Supplemental Educational Opportunity Grant
6. Other Title IV Programs (Refunds are not required for the Federal Work Study Programs.) Note: If no formal letter of withdrawal has been filed, the College will use the last documented attendance date as the ending date of instruction.

The following example is provided for clarification:

Example #1: You are a full-time, credit hour student, and, through circumstances beyond your control, you stop attending classes. (You must notify the Financial Aid Office of your withdrawal.) You attended classes for 70 days of a 125 calendar day semester. This means that you are entitled to use 56% of your Federal Aid to pay your bill ($70/125=56\%$). If you had received a Federal Pell Grant of \$1500, \$840 could be used to pay against your bill and \$660 would be the required return to the Federal Aid Program.

Example #2: You are a full-time clock-hour student and withdraw totally. The clock-hour programs have two payment periods, an initial aid payment period at the start of the program and a second payment period after you complete satisfactorily the first half of the program. The clock-hour program is 910 hours long and you have withdrawn after completing 80 hours of the first payment period (455 hours). This means that you are entitled to 17% of your Federal Aid to pay your bill ($80/455=17\%$). If you had received a Federal Pell Grant of \$1500, \$255 could be used to pay against your bill and \$1245 would be the required return to the Federal Aid Program.

Institutional Charge Policy

Students who withdraw, drop out or are expelled from the College during either Fall or Spring semesters will have their tuition bill adjusted according to the following schedule:

1. After the first (1st) day of class, through to the end of the second (2nd) week of class, 100% refund (effective Spring 1 Please check with the Bursar's Office to be sure of the date.) of tuition charged.



2. After third (3rd) week of class, no refund of tuition.
3. After the second (2nd) week of class, no refund of tuition.

Summer and winter terms have abbreviated refund periods. Please see the published Academic Calendar for actual refund dates.

State funds will be returned to the appropriate programs in the following order:

1. NJ Tuition Aid Grant Program (TAG).
2. NJ Part-time Tuition Aid Grant Program.
3. NJ STARS Program.

After Federal and State aid program funds have been returned, refunds will be made to any off-campus scholarship/grant programs and/or Sussex County Community College programs. If a credit balance remains on account after this process has been completed, a pass-through of funds will be made to the student to cover non-billed educational expenses.

Charges – Educational Costs

Direct Costs - Amounts that must be paid to the College. (See Tuition and Fees).

FINANCIAL AID

COST OF ATTENDANCE		
Dependent Students (based on 24 credits)		
	In County	Out of County
Tuition	\$3,360	\$5,040
Fees	\$2,064	\$2,064
Books	\$1,481	\$1,481
Room and Board	\$4,155	\$4,155
Transportation	\$2,100	\$2,520
Miscellaneous	\$2,400	\$2,400
Total	\$15,560	\$17,660

COST OF ATTENDANCE		
Independent Students (based on 24 credits)		
	In County	Out of County
Tuition	\$3,360	\$5,040
Fees	\$2,064	\$2,064
Books	\$1,481	\$1,481
Room and Board	\$5,342	\$5,342
Transportation	\$2,100	\$2,520
Miscellaneous	\$2,400	\$2,400
Total	\$16,747	\$18,847

Figures were developed for full-time students and show annual budgets for a nine month school year.

These in-state/in-county budgets are provided for your information. Your actual budget for school costs may vary. The budgets for out-of-county, out-of-state, and Pennsylvania students are significantly different. If you have questions about your cost of education, you're encouraged to contact the Financial Aid Office.

Award Revisions

Financial aid awards may be adjusted due to changes in the students enrollment status, academic progress, governmental allocations, etc. If a change becomes necessary, he or she will be notified and a new award notice provided.

The student may request a review of his or her award by calling the Financial Aid Office to make an appointment. If the student feels that they have a unique situation that was not addressed

or they just wish to talk, please be sure to call. Students are encouraged to contact the Financial Aid Office if they have any questions as to how their assistance affects their bill. (In exceptional circumstances, special payment arrangements may be made by contacting the Bursar's Office. All checks should be made payable to Sussex County Community College and not to any individual).

Additional Financial Aid Information

Full details about federal and state assistance programs can be found at StudentAid.gov and Financial Aid Programs for NJ Students at www.njgrants.org.

Students are encouraged to refer to the Financial Aid portion of the website.

Sussex offers limited financial assistance through the generosity of outside donors. The process requires separate application to the Sussex Foundation. Essays and interviews are normally required. Awards are directed to students in specific academic areas and are issued to students with a strong Sussex achievement record. Award amounts vary. Interested students are urged to contact the Advising and Counseling Center for more information.



STUDENT SERVICES

The Office of Student Services coordinates the delivery of outstanding services and activities which enhance a student's academic experience. Services include Athletics, Campus Life, Advising and Counseling Center, Financial Aid, Disabilities Program, EOF, Testing Services, International Students, Adult Basic Education Program and Veterans Services.

Advising and Counseling Center

Administration (B) Building • 973.300.2207

The Center provides a supportive and professional environment promoting the exploration and development of individual strengths that encourage academic success and personal growth.

The Center is dedicated to furthering the educational mission of Sussex County Community College by assisting students to be academically successful. Take advantage of the knowledge and resources available at the Advising and Counseling Center. Students can take advantage of:

Academic Planning and Advising

Academic Planning and Advising is an essential part of a student's education and goal planning.

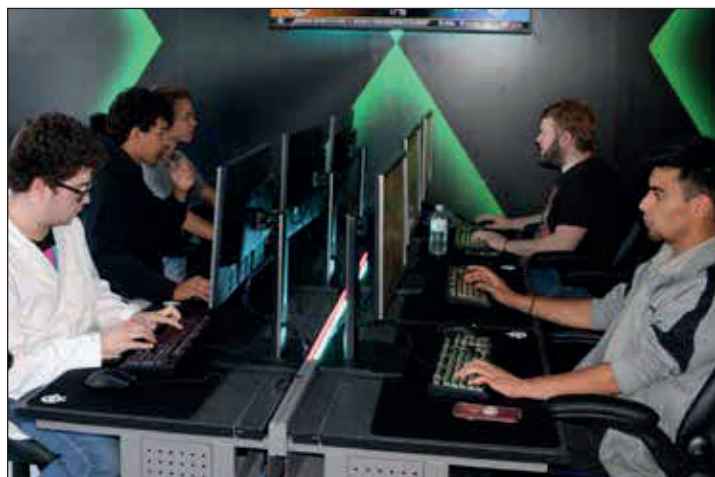
- Explore programs of study
- Select a program that matches your professional goals and creating an academic plan
- Choose the right courses each semester
- Find the services and support needed

Students should seek advisement in advance of the upcoming registration dates. Advising is ongoing and students should connect with their advisor to map out their academic plan early.

Following the Program Course Sequencing will help students to keep track of which courses they have taken and which courses are still required. Program Course Sequencing are available on the Colleges website under Academics, as well as in the Advising and Counseling Center.

The Center provides a supportive and professional environment promoting the exploration and development of individual strengths that encourage academic success and personal growth.

The Center is dedicated to furthering the educational mission of Sussex by assisting students to be academically successful.



Students can get assistance with:

Career Exploration

Finding a career path is a process that requires self-awareness and self-assessment. The Advising & Counseling Center can assist students with career exploration to help identify a career path and the occupations and majors in that path.

Personal Counseling

Short-term personal counseling is available to assist students in addressing non-academic problems that can adversely impact their ability to achieve personal and academic growth. All personal Sussex counseling sessions are confidential and free.

Relationship issues, anxiety, concern over alcohol or drug abuse and abusive situations are examples of the kinds of issues addressed. Referrals to community services or private practitioners may be made. ULifeline, a web-based mental health site, is available at www.ulifeline.org/schools/sccc. Counselors abide by the Code of Ethics for the American Counseling Association and the National Association of Social Workers.

Transfer Counseling

Transfer information, including applications, transfer articulation agreements, catalogs and videos, transfer scholarships, and internet access to U.S. college sites, is available in the Advising and Counseling Center. Transfer Fairs of tri-state four-year colleges and universities are held on campus. Local colleges provide Instant Decision Transfer Days on our campus. Counselors use njtransfer.org, a web-based articulation system, for transfer within NJ.

Students should work closely with their counselor to ensure they are following the guidelines of the NJ Statewide Transfer Agreement.

Athletics

Academic and Athletic (E) Building • 973.300.2230

Nickname: Skylanders

Sussex County Community College enhances the academic college experience with a wide array of extracurricular activities including a competitive intercollegiate athletics program. SCCC's intercollegiate sports include:

Fall:	Men's and Women's Soccer, Football
Winter:	Men's and Women's Basketball, Wrestling
Spring:	Baseball, Men's and Women's Lacrosse & Softball
Other:	ESports

Sussex offers scholarship opportunities for participation in the Women's Soccer program and Men's Baseball. Sussex also offers Intramural programs based on student interest.

The College is a member of the National Junior College Athletic Association (NJCAA) and the Garden State Athletic Conference (GSAC). Athletic participation eligibility is determined by the NJCAA and adopted by the GSAC. The College adheres to all the rules set forth by the NJCAA and the GSAC.

The Campus Fitness Center is open Monday–Friday, 8am to 9 pm.

Campus Life Center

Student Center (D) Building • 973.300.2200

We believe that co-curricular learning ensures student success and we work hard to deliver quality programming for all students.

STUDENT SERVICES

Throughout the year the Office of Campus Life offers leadership opportunities and plans events to meet the recreational, cultural and social interests of students. These activities include Broadway shows, dance performances, art exhibits, concerts and lectures. Most of these events are offered for free or at reduced prices to students.

Student Ambassadors

Selected students represent the College as Student Ambassadors. Applications for the Student Ambassador Program are available in the Office of Campus Life located in the Student Center (D) Building. Ambassadors are selected based upon their academic performance and commitment to Sussex. They serve the College in recruitment and public relations activities. They also conduct campus tours and provide assistance at various college events and activities. Ambassadors are awarded tuition aid for their service to the College.

Student Clubs and Organizations

Student clubs and organizations are a major part of campus life at SCCC. The College encourages the active formation of and participation in departmental and/or interest clubs and organizations. Campus clubs will be chartered by the Student Government Association and approved by the Senior Vice President of Academic & Student Affairs. Clubs are organized by and for students. A complete listing of student clubs and organizations is posted online at sussex.edu/campuslife.

Student Government Association (SGA)

The SGA is a formal student group which provides the College with input on the college experience and is committed to enriching the campus life at Sussex. All enrolled students at Sussex are members of the SGA and have the rights, privileges and responsibilities as set forth in the by-laws. SGA meetings are open to all students and are typically held on the 1st Thursday of every month during College Hour from 10:50 am–12:05 pm.

Student Publications

The College Hill is SCCC's online student newspaper. *The College Hill* is committed to providing a vehicle for the exchange of ideas, opinions and perspectives about events and activities affecting Sussex students. *The College Hill* is available at: sussex.edu/collegehillnews.

Learning Resources

The College's Learning Resources are designed to enhance the pursuit of academic excellence for the entire College community. This is accomplished through a variety of special programs and services.

ABE/HSE Study Programs

973.300.2158

The ABE/HSE program provides individualized instruction tailored to the specific needs of each student and designed to improve skills in reading, writing, math, social studies and science. Students have the opportunity to increase their basic skills in these academic areas and to continue learning more advanced skills in order to prepare for the High School Equivalency (HSE) Exam. Assistance is also provided to connect students with information and resources for college enrollment, workforce development, employment and training services.



Disabilities Assistance Program (DAP)

973.300.2153

The Disabilities Assistance Program provides services for students who require academic and facilities accommodations to fulfill their higher education goals. The Disabilities Coordinator/Advisor works with academic departments and student services offices to engage and support the intellectual and social development of students with disabilities.

English for Speakers of Other Languages (ESOL)

Administration Building | 973.300.2157

Non-native speakers of English will find a variety of courses in our program designed to fit the needs of English language learners in achieving academic, career, and personal goals.

Incoming students meet personally with the program coordinator and are administered the Accuplacer for ESOL to assure proper placement.

Academic ESOL classes in grammar, writing, reading and vocabulary development, and listening and speaking are offered in beginner, intermediate, and advanced levels. Students are taught in small groups to enhance the learning experience and focus on preparing for transition into college courses.

The ESOL program also offers free life skills English classes in "American Language and Civics" in four levels; literacy, beginner, intermediate, and advanced.

Tutoring

Tutoring is offered in all levels of math and science. Tutoring is offered in the College Library. Additional tutoring resources may be found at the Writing Center in the Student Center and in Degree Up in the Academic/Athletic Bldg. Schedules for tutoring are posted online at sussex.edu/tutoring.

STUDENT SERVICES

Online Tools for Students

Student Email – All registered students are issued an official Sussex email account. The account details are sent to new students in the mail prior to the start of the semester. All College communication including messages from faculty will be sent to the college issued email address.

Student Portal: my.sussex.edu – The student portal is a password protected student website where Sussex students can view grades, unofficial transcripts, schedules and financial aid records. Students can also register for classes and pay tuition through the portal.

Regroup Alert – Sussex utilizes a broadcast alerting service, Regroup Alert, to communicate timely information to students, faculty, staff and other members of the campus community by sending text alerts, email and/or recorded voice messages to participating students, faculty and staff. Sign up is required by the individual.

Pay Online and E-refund – Students are encouraged to pay tuition online with their student assigned ID and password. There is an interest-free payment plan for the spring and fall semesters. E-refund offers a convenient way for students to receive electronic refund checks back into their bank account.

Distance Learning Site – All students enrolled in online and blended (hybrid) classes will use this site for communication with instructors.

Students Rights and Responsibilities

The central functions of an academic community are learning, teaching, research and scholarship. By accepting membership in the College, an individual joins a community ideally characterized by free inquiry, intellectual honesty, respect for the dignity of others and openness to constructive change. The rights and responsibilities exercised within the community must be compatible with these qualities.

The College places emphasis upon certain values which are essential to its nature as an academic community. Among these are freedom from personal force and violence and freedom of movement. Interference with any of these freedoms must be regarded as a serious violation of the personal rights upon which the community is based. Furthermore, the administrative processes and activities of the College cannot be ends in themselves, as such functions are vital to the orderly pursuit of the work of all members of the College. Therefore, interference with members of the College in performance of their normal duties and activities must be regarded as unacceptable obstruction of the essential processes of the College. Theft or willful destruction of the property of the College or its members must also be considered an unacceptable violation of the rights of individuals or the community as a whole. Physical violence or the threat of same is also considered to be an unacceptable violation of rights.

Moreover, it is the responsibility of all members of the academic community to maintain an atmosphere in which violations of rights are unlikely to occur.

All students accepted at Sussex County Community College acknowledge with their enrollment an obligation to abide by the College regulations and policies as established by the Board of Trustees, by the faculty and administration of the College.

Students are responsible for their own actions and are expected to maintain the highest standard of conduct at all times and in all

places. Each must, of course, respect the rights and privileges of all instructors and other students.

The essential and unavoidable condition of the mutual commitment to personal and academic integrity must be respected at all times and in all situations. Implicit in this mandate is the expectation that all work submitted by the student as his/her own is the result of independent effort. Any attempt to plagiarize or copy another's work, during examinations or in class work, will render the record of the student suspect and may warrant academic penalty or other disciplinary action.

The College reserves the right to dismiss any student whose continued attendance, in the judgment of the administration, is detrimental to the College or its students. Rules and regulations pertaining to student behavior are provided in the Student Code of Conduct which is appended to this statement.

Furthermore, Sussex County Community College respects the rights of students in its firm commitment to a policy of Equal Opportunity and Affirmative Action and will implement this policy to assure that the benefits, services, activities, programs and employment opportunities offered by this institution are available to all persons regardless of race, religion, color, national origin, ancestry, sex, handicap, marital or veteran status and in accordance with state and federal laws: Title VI, Title VII, Civil Rights Act of 1964; Executive order 11246, as amended; Title IX, Educational Amendments of 1972; section 503 and 504, Rehabilitation Act of 1973, as amended; Veterans Assistance Act of 1972 as amended.

Sussex County Community College also respects the rights of students in its firm commitment to the provisions of the Federal Family Educational Rights and Privacy Act of 1974 (FERPA) which gives students the right to inspect educational records maintained about them by the College, the right to a hearing to challenge the contents of these records and the right to make explanation for challenged information. The College will maintain the confidentiality of student records except with respect to those special cases noted in the legislation.

Finally, all students at Sussex County Community College have attendant financial rights and responsibilities.

Students have the following financial rights:

1. To know what financial aid programs are available at the school;
2. To know the deadlines for submitting applications for each of the financial aid programs;
3. To know how financial aid is distributed; how distribution decisions are made and the basis for these decisions;
4. To know how the financial need was determined, including how costs for tuition and fees, room and board, travel, books and supplies, personal and miscellaneous expenses, etc., are considered in student budgets;
5. To know what resources (such as parental contribution, other financial aid, student's assets, etc.) were considered in the calculation of their needs;
6. To know how much of the financial need as determined by the institution has been met;
7. To request an explanation of the various programs in the student aid package;
8. To know the school's refund policy;
9. To know what portion of the financial aid received must

ACADEMICS

be repaid and what portion is grant aid. If the aid is a loan, students have the right to know what the interest rate is, the total amount that must be repaid, the payback procedures, the length of time available to repay the loan and when repayment begins;

- To know how the school determines whether students are making satisfactory progress and what happens if they are not.

Students have the following responsibilities:

- To complete all application forms accurately and submit them on time to the appropriate office.
- To provide correct information. In most instances misreporting information on financial aid application forms is a violation of law and may be considered a criminal offense which could result in indictment under the U.S. Criminal Code.
- To return all additional documentation, verification, corrections and/or new information requested by either the Financial Aid Office or the agency to which the application was submitted;
- To read and understand all forms they are asked to sign;
- To accept responsibility for all agreements they sign;
- To perform the work agreed upon when accepting a college work-study award;
- To be aware of and comply with deadlines for application or reapplication for aid;
- To be aware of the school's refund procedures;
- To consider this information carefully before deciding to attend a school. All schools must provide information to prospective students about the schools' programs and performance.

Textbooks

Textbooks can be ordered from the eCampus online store. sussex.edu/campus-store.

Veterans Affairs

Student Center (D) Building D110B • 973.300.2109

The Veterans Services Coordinator is available to assist veterans and their dependents in the application and processing of requests for veterans' benefits and to provide support and resources in the transition to civilian and campus life.

A Veterans Resource Center and lounge, the Student Veterans Organization (SVO), SALUTE – the national honor society for veterans are some of the services offered. Contact the Veterans Services Coordinator at (973) 300-2109. Information on the Post 911/GI BILL® is also available at https://www.benefits.va.gov/gibill/post911_gibill.asp

Academic Requirements

Developmental Studies

Developmental Studies courses are designed for students who are working to successfully transition to college credit curriculum. These courses serve as a bridge between students' current educational-level and the college classroom experience. Students in Developmental Studies-level courses are ensured personal attention and frequent interaction with instructors.

Developmental courses are offered in three skills areas: integrated reading & writing, math, and algebra. Courses are scheduled each semester, day and evening, and most summer sessions.

Upon entrance to the College, a student should meet with a counselor to determine their personal starting point, specifically, whether or not developmental course work is necessary. Determinants may include potential transfer work, scores obtained on ACT or SAT exams, and/or results on the College Placement Test.

All Developmental Studies courses are issued Institutional Credits (IC) which do not count in the grade point average (GPA) and do not fulfill graduation requirements. Letter grades "A1" through "F1" represent Institutional Credit in the Sussex County Community College grading system. Students who are required to take only developmental math or algebra courses are not restricted from taking college-level courses which require reading or writing.

All students who require Developmental Studies coursework and who have enrolled in a degree or certificate program must begin required Developmental Studies courses within their first six credits regardless of full or part-time status, curriculum, or career aspirations. Full and part-time students seeking an A.S., A.A., A.F.A., or A.A.S. degree, and students enrolled in a certificate program with a math requirement must complete the required developmental courses through Introductory Algebra I and II or Basic Algebra in consecutive semesters from their initial entry into the College. Students enrolled in a certificate or curriculum that does not have a math requirement must complete developmental courses through Basic Mathematics.

Students requiring developmental proficiency are placed in one or more of the following developmental studies courses and have an individual schedule designed to meet their needs:

ENGLISH SEQUENCE

ENGL 009	Critical Reading & Writing I
ENGL 011	Critical Reading & Writing II

BASIC MATHEMATICS REQUIREMENTS

MATH 005	Basic Mathematics Review (OPTIONAL)
MATH 010	Basic Mathematics*

BASIC ALGEBRA SEQUENCE

MATH 012	Basic Algebra Review (OPTIONAL)
MATH 015	Introductory Algebra I
MATH 017	Introductory Algebra II

OR

MATH 023	Basic Algebra
----------	---------------

ADDITIONAL ALGEBRA COURSES

(Required only for specific advanced mathematics courses)

MATH 040	Intermediate Algebra
----------	----------------------

* Students may elect to complete their basic mathematics requirement as EITHER a self-paced, computerized course in the Math Lab, OR in a traditional classroom format.

Opportunities to earn college-level credits while completing developmental requirements include:

- College-level courses that do not require proficiency in any of the specified developmental courses (English or Math):
 - All studio arts courses; ARTA 106
 - All Automotive courses
 - Selected Communications courses:

ACADEMICS

COMM 130 TV Production I

• **Selected Theater courses:**

THEA 102 Acting I
THEA 103 Acting II
THEA 110 Theater Workshop I
THEA 111 Theater Workshop II

• **Selected Photography courses:**

PHOT110 Photography I
PHOT112 Photography II

• **COLL101 Foundations for Success**

• **Foreign Language Courses IF:** Students who have taken **two years** of a language in high school and received a grade of “C” or better may enroll in an introductory foreign language course while enrolled in developmental English 009.

2. College-level courses that may be taken along with ENGL 011 (Critical Reading & Writing II):

• ENGL201 **Effective Speaking**
• **“Learning Strategies”** designated college-level courses. Examples include “Survey of World Culture I with Learning Strategies”, “Introduction to Psychology with Learning Strategies”, etc. Students must be eligible to take ENGL 011 to participate in these learning strategy offerings.

• **Accelerated Learning Program (ALP) courses,** which pair participation in ENGL 011 with concurrent participation in a designated ENGL 101 course.

• **Accelerated Reading and Composition (ARC) courses,** which pair specific sections of content-area courses (PSYC 101, for example) with a section of ENGL 011.

• **American Sign Language Courses:**

AMSL101 American Sign Language I
AMSL102 American Sign Language II
AMSL201 American Sign Language III

• **Selected Computer Science courses:**

COMS 110 Computer Concepts & Applications

• **Selected Early Childhood & Development courses:**

CDEV 101 Introduction to Early Childhood Education
CDEV272 Music and Art in Early Childhood Education

• **Selected Criminal Justice courses:**

CRJS 100 Introduction to Criminal Justice

• **Selected Graphic Design courses:**

GRAD 101 Introduction to Graphic Design
GRAD 107 Drawing for Designers

• **Selected Humanities courses:**

HUMN 101 Survey of World Cultures I
HUMN 102 Survey of World Cultures II

• **Selected Music courses:**

MUSC 101 Music Appreciation

• **Selected Meteorology courses:**

PHYS 107 Introduction to Meteorology

(MUST first meet basic math proficiency)

3. College-level courses that require proficiency in all developmental English courses and in MATH010 Basic Math:

- ACCT 101 Accounting I
- BIOS 101 General Biology
- BIOS 103 Anatomy & Physiology I
- BIOS 104 Anatomy & Physiology II

- COMS 110 Computer Concepts and Applications

4. College-level courses that require proficiency in all developmental English courses and in MATH015 Introductory Algebra I and MATH017 Introductory Algebra II or MATH023 Basic Algebra:

- All BIOS (except BIOS 101, BIOS 103, BIOS 104 – see above)
- All CHEM
- ECON 101 & ECON 102
- All GEOL
- MATH 104 Contemporary Math; MATH 106 Math Concepts; MATH 108 Statistics
- ALL PHYS

5. Courses that require proficiency in MATH040 Intermediate Algebra OR a score of 50 on the College-level Math Accuplacer exam:

- BIOS110 Biology I
- MATH 110 Pre-Calculus I
- Students may opt to take MATH 112 Pre-Calculus II during the same semester as MATH 110 since the two courses are co-requisites.

6. Some additional notes on CHEMISTRY (CHEM) courses:

- CHEM 100 (Introductory Chemistry) has a pre-requisite of MATH 110 (Pre-Calculus I)
- CHEM 107 (Forensic Science) requires completion of ALL developmental math (i.e., MATH 010, MATH 015/ MATH 017 OR MATH 023, and MATH 040)
- CHEM 110 has a co-requisite requirement of MATH 110 (Pre-Calculus I)

7. Some additional notes on PHYSICS (PHYS) courses:

- PHYS 100 (Concepts of Physics) has a pre-requisite of proficiency on the Mathematics placement test, i.e., Basic Math and Basic Algebra)
- PHYS 105 (Introductory Astronomy) has a pre-requisite of MATH 106 (Mathematical Concepts) or higher, or permission of the instructor.
- PHYS 108 (The Physics and Technology of Clean Energy) has a pre-requisite of MATH 017 or MATH 023 with a grade of “C” or better, or proficiency on the College Placement Test.
- PHYS 110 (Physics I) has a pre-requisite of MATH 112 (Pre-Calculus II), with all higher Physics courses escalating from that point.

Developmental Course Guidelines

The determination of which college-level courses are allowable in conjunction with the various levels of developmental courses is made by the office of Academic Affairs and is reviewed on an annual basis.

General Education Requirements

All degree programs at Sussex require the student to complete a certain number of general education courses in addition to specific courses that comprise the student’s major program of study. Among other things, general education courses provide college graduates with the knowledge and skills needed to communicate well, use technology, understand scientific developments and function effectively as members of an educated society.

In New Jersey, all community colleges require students to complete a variety of general education courses in the categories listed below. Each degree program at Sussex is

ACADEMICS

carefully designed to include the appropriate number and type of general education courses and it is important for the student and the advisor to adhere closely to the prescribed curriculum so that all of the general education requirements are met by the time of graduation. Specific courses that can be used to meet general education requirements in each category are listed on the following pages. Questions about general education requirements should be directed to the student's academic advisor.

WRITTEN and ORAL COMMUNICATION IN ENGLISH

An array of courses which prepare students to speak, read, and write effectively. At least two of these must be composition courses for A.A. and A.S. degrees. At least one of these must be a composition course for specialized degree programs and certificates.

ENGL101	English Composition I
ENGL102	English Composition II
ENGL125	Technical Writing and Communications I
ENGL201	Effective Speaking

MATHEMATICS

Any college-level mathematics course including statistics, algebra, or calculus course(s). These courses should build upon a demonstrated proficiency in basic algebra.

MATH104	Contemporary Mathematics
MATH106	Mathematical Concepts
MATH108	Statistics
MATH110	Pre-Calculus I
MATH112	Pre-Calculus II
MATH113	Calculus I
MATH114	Calculus II
MATH205	Business Calculus
MATH213	Calculus III

SCIENCE

Any course(s) in the biological or physical sciences – or non-majors survey course. At least one of these courses must have a laboratory component.

BIOS101	General Biology
BIOS102	Introduction to Human Biology
BIOS103	Anatomy and Physiology I
BIOS104	Anatomy and Physiology II
BIOS108	Introduction to Environmental Sustainability
BIOS110	Biology I
BIOS112	Biology II
BIOS122	Introduction to Environmental Science
BIOS124	Ecology
BIOS130	Introduction to Botany
CHEM100	Introductory Chemistry
CHEM107	Forensic Science
CHEM110	College Chemistry I

CHEM112	College Chemistry II
CHEM210	Organic Chemistry I
CHEM212	Organic Chemistry II
GEOL101	Physical Geology
GEOL110	Historical Geology
PHYS100	Concepts of Physics
PHYS105	Introductory Astronomy
PHYS107	Introductory Meteorology
PHYS108	Physics and Technology of Clean Energy
PHYS110	Physics I
PHYS112	Physics II
PHYS120	Physics I with Calculus
PHYS121	Physics II with Calculus

TECHNOLOGICAL COMPETENCY or INFORMATION LITERACY

Any course that emphasizes common computer technology skills (e.g. computer science, information technology) that helps students to access, process and present information. This component is not required for students who can demonstrate competency.

COMS110	Computer Concepts and Applications
COMS113	Introduction to Information Systems
COMS114	Introduction to Computer Science I
COMS120	Computer Software Applications

SOCIAL SCIENCE

Any introductory course(s) from among anthropology, economics, geography, political science, psychology or sociology.

Anthropology

ANTH101	Introduction to Anthropology
ANTH110	Physical Anthropology
ANTH120	Cultural Anthropology
ANTH131	Principles of Archaeology

Economics

ECON101	Macroeconomics
ECON102	Microeconomics

Geography

GEOG105	Cultural Geography
GEOG110	World Geography

Political Science

POLS101	Introduction to Political Science
POLS105	American Politics
POLS106	State and Local Government
POLS109	Modern Political Ideologies
POLS110	International Relations

Psychology

PSYC101	Intro to Psychology
---------	---------------------

ACADEMICS

PSYCH109	Psychology of the Human Lifespan
PSYC111	Child Psychology
PSYC212	Adolescent Psychology
PSYC215	Psychology of Adult Development and Aging

Sociology

SOCA101	Introduction to Sociology
SOCA150	Contemporary Social Issues
SOCA207	Sociology of Religion

HUMANITIES

Any broad-based course(s) in the appreciation of art, music, or theater; literature; foreign language; history; philosophy and/or religious studies.

Aesthetic Appreciation

ARTA103	Art History I
ARTA104	Art History II
ARTA106	Art Appreciation
ARTA107	History of Contemporary Art
COMM230	Critical Analysis and Survey of Cinema
MUSC101	Music Appreciation
THEA208/ ENGL208	Theater History I
THEA209/ ENGL209	Theater History II
PHOT120	History of Photography

History

HIST101	History of Western Civilization I
HIST102	History of Western Civilization II
HIST105	U.S. History I
HIST106	U.S. History II
HIST201	20th Century Asia (Most associate degrees require a two course sequence)

Interdisciplinary Humanities

HUMN101	Survey of World Culture I
HUMN102	Survey of World Culture II

Literature

ENGL203	American Literature I
ENGL204	American Literature II
ENGL207/ WMST207	Literature By Women
ENGL208/ THEA208	Theater History I
ENGL209 / THEA209	Theater History II
ENGL211	The Short Story
ENGL213	Literary Masterpieces of the Western World I

ENGL221	Modern Poetry
ENGL230	British Literature I
ENGL231	British Literature II

Philosophy

PHIL110	Philosophy and The Meaning of Life
PHIL201	Comparative Religions
PHIL203	History of Modern Philosophy
PHIL205	Contemporary Ethical Issues

Foreign Languages

AMSL101	American Sign Language I
AMSL102	American Sign Language II
AMSL201	American Sign Language III
CHIN101	Elementary Mandarin Chinese I
CHIN102	Elementary Mandarin Chinese II
FREN101	Elementary French I
FREN102	Elementary French II
FREN201	Intermediate French I
FREN202	Intermediate French II
GRMN101	Elementary German I
GRMN102	Elementary German II
GRMN201	Intermediate German I
GRMN202	Intermediate German II
ITAL101	Elementary Italian I
ITAL102	Elementary Italian II
ITAL201	Intermediate Italian I
ITAL202	Intermediate Italian II
RUSS101	Elementary Russian I
RUSS102	Elementary Russian II
SPAN101	Elementary Spanish I
SPAN102	Elementary Spanish II
SPAN201	Intermediate Spanish I
SPAN202	Intermediate Spanish II
SPAN220	Spanish Conversation and Composition

HISTORICAL PERSPECTIVE

Any broad-based course(s) or sequence of courses in World, Western, non-Western, or American History.

HIST101	History of Western Civilization I
HIST102	History of Western Civilization II
HIST105	U.S. History I
HIST106	U.S. History II
HIST201	20th Century Asia (Most associate degrees require a two course sequence)

GLOBAL & CULTURAL AWARENESS (Diversity)

Any course whose primary purpose is to expose students to a multicultural society or people possibly within the context of non-introductory study of a foreign language. If this goal is integrated into one or more general education course(s), the three credits may be moved from this category to another general education category.

ACADEMICS

ANTH101	Introduction to Anthropology
ANTH110	Physical Anthropology
ANTH120	Cultural Anthropology
ANTH150	Magic, Myth & Religion
ARTA103	Art History I
ARTA104	Art History II
GEOG105	Cultural Geography
HIST201	20th Century Asia (Most associate degrees require a two course sequence)
HUMN101	Survey of World Culture I
HUMN102	Survey of World Culture II
HUMS203	Human Behavior in the Social Environment: Diversity
PHIL201	Comparative Religions
POLS109	Modern Political Ideologies
PSYC237	Multicultural Psychology
SOCA101	Introduction to Sociology
SOCA207	Sociology of Religion
SOCA215	Perspectives on Race, Gender, Class and Culture
WMST101	Women in Contemporary Society
WMST207/ ENGL207	Literature By Women

Liberal Arts Electives

Liberal Arts electives provide comprehensive, non-specialized study within the typical liberal arts disciplines, the humanities, the behavioral & social sciences, mathematics and the natural sciences.

The following qualify as liberal arts electives except where noted. Transfer institution policies vary.

AMSL (check transfer college)	GRMN
ANTH	HIST (check transfer college)
ARTA	HUMN
BIOS	ITAL
CHEM	MATH (100 level and higher)
CHIN	MUSC
COMM	PERA
COMS (Limit 1)	PHIL
CRJS105 only (Criminology)	PHOT
DESN	PHYS
ECON	POLS
EDUC	PSYC (except PSYC103 & PSYC120)
ENGL (except ENGL101 & ENGL102)	RUSS
FREN	SOCA
GEOG	SPAN
GEOL	WMST

According to Sussex policy, students may also choose one introductory course in a career area. See list below. Transfer institution policies vary.

AOTE101 (check transfer college)	GRAD101
BUSA101	
CDEV101	HUMS101
CRJS100	LEGA100
FRST101 (check transfer college)	

Literature Electives

ENGL203	American Literature I
ENGL204	American Literature II
ENGL207	Literature by Women
ENGL208	History of the Theater I
ENGL209	History of the Theater II
ENGL216	Children's Literature (check transfer college)
ENGL221	Modern Poetry
ENGL222	Shakespeare
ENGL230	British Literature I
ENGL211	The Short Story
ENGL231	British Literature II
ENGL213	Literary Masterpieces of the Western World I

Please Note: Some degrees require specific liberal arts electives. Students should consult with their advisors in the selection of courses to meet their major/option requirements.

Foundation Courses

Sussex County Community College requires the following courses to be taken at key points in a student's two-year College experience:

Foundations for Success is a three-credit course designed specifically for incoming Sussex Freshmen. All students are required to take this course within their first or second semester. *Foundations for Success* is part of a comprehensive program that initiates students into the rigor of college academics and the responsibility of college student life. Instructors are trained to facilitate topics that have proven to be vital to entering college students. The course provides an introduction into the intellectual, social and emotional transition of going from high school to college, or from the workforce into college life.

This is a student-centered course covering numerous strategies to encourage students to become active and empowered learners and to make the most of their college experience. Students will obtain information about college life and develop strategies and techniques to enhance success in their academic, personal and professional lives. The course is infused with opportunities to understand, practice and implement critical thinking. Students will also gain practical information to help prepare to transfer to a four year university or enter the workforce directly. National research demonstrates that there is a positive correlation between participation in a first year seminar course and higher graduation rates, higher grade point averages and engagement in campus life. Topics covered are transitioning to college, careering, time management, college information/technology resources, financial management, wellness, academic planning, diversity, campus/community involvement, transferring to a four year college, etc.

ACADEMICS

The **Capstone courses** are designed specifically for sophomores with 45 credits or more who are approaching graduation. The Capstone program offers students the opportunity to work with a Sussex professor to prepare for transfer to a four year school or to enter the workforce and find a position in their chosen field. There are seven different, one-credit, Capstone courses for students to choose from, depending upon their declared major:

- College Capstone for Liberal Arts
- College Capstone for Business, Science and Technology
- College Capstone for Criminal Justice
- College Capstone for Film Study
- College Capstone for Computer Science and Information Systems
- College Capstone for Biological and Clinical Studies
- College Capstone for Math, Physical Science & Engineering

Academics Support Services

Academic Advisement

An important part of each student's academic career is meeting with an academic advisor to plan a program of study. Continuing students are strongly encouraged to meet with an advisor prior to registration in order to ensure sufficient progress toward a degree or certificate.

Clearing Corporation Business Learning Center

Located in the east wing of the Academics & Athletics Building, the Clearing Corporation Business Learning Center provides students of business administration with a contemporary, business-like environment in which they can learn, study, discuss ideas, keep abreast of the latest business news and interact informally with business faculty. The Center contains a classroom that is fully equipped with computers and modern instructional technology. It also includes a large conference room that is designed to emulate the professional environment that students will encounter during the course of their business careers.

A professional lounge area provides students with a comfortable place to read and study. The television monitors in the Center provide continuous access to news provided throughout the day by the Bloomberg Business Channel. Since its dedication in October 2009, the Clearing Corporation Business Learning Center has become a popular place for informal discussions among students and faculty, as well as presentations by guest speakers, regular Business Club meetings, business book discussions and other events of interest to students interested in business, accounting, economics, marketing and finance.

Computer Labs

College computers are available in the Library, Advising and Counseling Center, Computer Classrooms and Graphics Lab. Printing is available in the Library. Students are required to pay for printing.

Distance Learning

Online and Hybrid Courses

Sussex offers online and hybrid courses each semester. Online courses offer all instruction and traditional course interactions in an online environment. Online courses are not for every student. It is essential to have the self-discipline required for independent learning. Access to a computer is required for online courses.

Hybrid courses are a combination of online and in class instruction. Typically hybrid classes are held on-campus in a classroom for 50% of the course, while the other half is conducted online. Hybrid courses are designed to give the benefits of traditional face-to-face learning and the independence of online learning. Access to a computer is required.

Library

Library & Science (L) Building • 973.300.2162

As the research center of the College, the Library is the major resource for its educational programs. To support the College curriculum, the Library acquires, organizes and maintains a variety of print and non-print material for individual and classroom use. Librarians are available to assist students in learning to locate, evaluate and understand information through individual reference assistance and library instruction/information literacy classes. The Library's collection includes books, magazines, professional journals and various non-print media. Numerous online research databases, as well as the online catalog, are available for student use both in the Library and through remote Internet access. Traditional library services such as inter-library loan and academic reserve are also available to all students, faculty, and staff.

A Student ID Card is necessary to access Library databases, borrow materials, or print. There is a nominal fee to print.

Earn College Credits in High School

Students can get a jump on their college education by earning college credits while still in high school. Sussex offers programs that can assist in helping students graduate college early plus save substantially on the cost of tuition.

Students who earn college credits can begin preparing for their college education or career, increase their education options, enhance their opportunities for challenging and beneficial work, and see a tuition savings.

Successfully completed course work will be documented on an Sussex transcript. These credits can be applied to an Sussex degree or transferred to other colleges/universities.

Students should review the course content with admissions/transfer counselors at the college of their choice. Many factors affect the decision to accept transfer credits, including the grade the student earned in the course

Sussex offers three options for students currently in high school

Sussex County Community College provides qualifying high school and/or homeschooled students, the opportunity to earn college credits. Sussex offers different types of programs Under the Early College Advantage Programs known as Jumpstart and Concurrent.

Qualifying high school and/or homeschooled students have the opportunity to take in-person and/or online courses. Students

ACADEMICS

participating in these programs must adhere to all policies, rules, and regulations governing their peer, non-ECAP participants, established by the college or mandated by state, local, and/or federal guidelines.

Concurrent Enrollment Program (CEP)

The Concurrent Enrollment program allows eligible high school students the ability to participate in College courses that are integrated into their regular high school curriculum. Concurrent courses are taught by a high school instructor who meets the credentialing eligibility criteria established by Sussex.

Dual Enrollment Program

The Dual Enrollment Program provides the opportunity for eligible high school students to earn college credits. The courses are academically rigorous, and the online format allows high school students to gain a head start on their college degree. The program features the same content and course objectives as on-campus courses.

These online courses can also expose students to a wide range of subjects not available in high school. They are taught in the online format by Sussex professors.

Jump Start Program

The Jump Start program allows qualified high school and/or homeschooled students the ability to participate in Sussex courses, taught by Sussex faculty members, either on campus or online. Students participating in the Jump Start program are limited to two courses per semester, not to exceed 8 credits per semester.

* Home-schooled students between the ages of 16-18 may also be eligible.

Service Learning

Service learning is a teaching and learning strategy that integrates classroom learning with service to the community. Service learning is an opportunity for students to get engaged with the community, meet the needs of community constituents and apply what is learned in the classroom to real life situations.

Students who have participated in service learning activities report a higher level of interest in their coursework, better retention of the information they are learning – and rewarding service experiences. The skills and experience gained also look great on a resume and application for transfer to a four-year college or university.

Transfer Articulation Agreements

Sussex has established transfer articulation agreements for specific majors with Berkeley College, Centenary College, East Stroudsburg University, Fairleigh Dickinson University, Felician University, Marywood University, Montclair State University, New Jersey Institute of Technology, Ramapo College, Rutgers University-Newark and William Paterson University.

Most agreements guarantee students who have completed an A.A. degree or an A.S. degree, full junior-year status in various majors if they transfer to these institutions. Students should consult with the Advising and Counseling Center for additional information.

4-Year Colleges	Programs
Berkeley College Woodland Park, NJ New York, NY	<ul style="list-style-type: none"> Accounting Business Administration Fashion Marketing & Management Financial Services Health Services Management International Business Justice Studies Legal Studies Management Marketing Communications
Centenary College Hackettstown, NJ	Human Services
Fairleigh Dickinson University - Madison, NJ	<ul style="list-style-type: none"> Graphic Design Film and Animation
East Stroudsburg University East Stroudsburg, PA	<ul style="list-style-type: none"> Business Management History Human Services Psychology Political Science Social Work
Felician University Lodi, NJ	<ul style="list-style-type: none"> Business Administration Education
John J College of Criminal Justice Manhattan NY	<ul style="list-style-type: none"> Criminal Justice
Marywood University Scranton, PA	Graphic Design
Montclair State University Montclair, NJ	<ul style="list-style-type: none"> Biochemistry Biology Chemistry Environmental Science Marine Biology & Coastal Science Molecular Biology
New Jersey Institute of Technology Newark, NJ	<ul style="list-style-type: none"> Business Administration Computer Science Information Systems
Ramapo College Mahwah, NJ	<ul style="list-style-type: none"> Chemistry Human Services Mathematics
Rutgers University-Newark Newark, NJ	Human Services
Suny Cobleskill	<ul style="list-style-type: none"> Agricultural Business Management Plant Science
William Paterson University Wayne, NJ	<ul style="list-style-type: none"> Accounting Biology-General Biology Ecology Biology/Physiology/Behavior Biotechnology Chemistry Computer Science Criminal Justice Criminology Economics Education Environmental Science Finance Financial Planning Global Business Management Marketing Mathematics Professional Sales

ACADEMICS

Writing Center

The Writing Center offers free sessions with peer writing tutors to discuss all aspects of the writing process, from brainstorming to composition and revising/editing skills. Writers at any level are encouraged to develop their ideas and engage in interactive discussions about their writing.

Academic Policies

Academic Fresh Start

The Academic Fresh Start program is designed for students who attended SCCC, compiled an unsuccessful academic record, and subsequently left the College for an extended period of time. As a result of their work experience, maturity, or new interests, these student may now wish to return to college to pursue a program of student towards a degree.

Academic Fresh Start allows students to restore their academic standing at Sussex by eliminating the previous academic credit from their Cumulative Grade Point Average (CGPA). Contact the Registrar's Office for additional information and the forms necessary to apply for the Academic Fresh Start program.

Academic Integrity

Students are required to perform all of the work specified by faculty and are responsible for the content and integrity of all academic work submitted, including term papers, reports and examinations. A student will be guilty of violating the Rule of Academic Integrity if he or she knowingly represents the work of others as his or her own, or if he or she uses or obtains unauthorized assistance in any academic work.

Cheating on examinations, through use of unauthorized aids or inappropriate resources, is forbidden. In addition, plagiarism or the unattributed use of another's words or ideas, through either direct appropriation or paraphrase, is a serious breach of academic standards. Students have an obligation to exhibit honesty in carrying out their academic assignments. They may be penalized by the following: written warnings and/or assignment of an "F" grade for the assignment/test or for the course. If the student is found guilty in more than one case, he or she may be dismissed from the College.

Academic Probation

Students who after 6 credits have a grade point average (GPA) that falls below 2.0 are placed on academic probation and are informed in writing of their probation status. Students pre-registered for a succeeding semester, will be notified to make an appointment with a Counselor in the Advising and Counseling Center. Failure to comply may result in cancellation of a student's existing course registration(s). Students may be required to take a reduced course load based on their level of probation.

It is the prerogative of the Academic Probation Committee to place special requirements and restrictions on the student in the succeeding semester. Such conditions may include, but are not limited to, not holding office in a student organization or participating in intercollegiate athletic functions. Students will be monitored and offered guidance and support in making

satisfactory academic progress. The student has the right to appeal the decision of the Academic Probation committee.

Attendance

At Sussex, class attendance and academic achievement are recognized as being interrelated. Attendance in class is not used solely as a basis for grade determination; however, lectures, assignments, tests and class participation missed or inadequately made up as a result of class absences will jeopardize a student's grade.

- Students are expected to attend all classes and to adhere to the written requirements and consequences of non-attendance outlined in the syllabi of each instructor. Faculty are required to keep attendance records.
- Faculty are required to state their attendance requirements on their course outlines.
- While it is the responsibility of the student to notify the instructor after the student's first absence, the instructor may personally contact the student to discuss the effect of the absence and possible subsequent absences, on the successful completion of the course.
- If subsequent absences do occur, it is the student's responsibility to contact the instructor for guidance in completing missed work.
- The instructor determines if an absence is valid and if a student may complete missed assignments. If the absence is not valid or if work is made up without prior discussion with the instructor, said work may not be accepted.

Life/Work Experience Credit

Students who wish to receive college credit for life/work experience have the option of completing an official Application for Life/Work Experience Credit. The student must then meet with a Division Dean to receive approval to prepare a portfolio for evaluation. The portfolio will be evaluated by either the Division Dean, or their designee; with final approval for credit from the Senior Vice President of Academic & Student Affairs.

The student will be responsible to pay half the tuition for the course credits when they submit their portfolio. The initial application is found in the Student Advising and Counseling Center. Following the transfer credit policy, a student may only earn a maximum of half the credits towards a degree or certificate though life/work experience. The student is also responsible for recording fees.

Dean's List

Sussex County Community College acknowledges outstanding academic achievement of full-time students on a semester basis and the cumulative achievement of part-time students through the Dean's List designation (fall and spring semesters only).

Eligibility

1. Full-time students earning 12 or more college credits during the fall or spring semesters.
2. Part-time students having cumulatively earned 12 or more college credits in a fall or spring semester and thereafter upon completion of each additional cluster of 12 or more credits.

ACADEMICS

Academic Requirements

1. A semester grade point average of 3.5 for full-time students (based upon earned credit hours).
2. A cumulative grade point average of 3.5 for part-time students (based upon earned clusters of 12 or more credits)

Grading

Letter grades are given to students and posted to each student's transcript at the end of each semester. A grade represents an instructor's evaluation of a student's academic performance in a course and is determined by examinations and other criteria established by the College and the individual instructor. All grades are recorded on the individual transcript and remain as such unless revised and/or removed by action following from the College's Student Appeal of Grades Policy. (See Appeal of Grades.)

Grades are posted on the my.sussex.edu portal at the completion of each semester.

Grades Counted in the Grade Point Average (GPA)

Grade	Interpretation	Points
A	Excellent	4.0
B+	Very Good	3.5
B	Good	3.0
C+	Above Average	2.5
C	Average	2.0
D	Poor	1.0
F	Fail	0.0
FN	Fail no-show	0.0

Grades not counted in the GPA

Grade	Interpretation	Points
AI	Excellent	0
BI+	Very Good	0
BI	Good	0
CI+	Above Average	0
CI	Average	0
RI	Repeat	0
FI	Insufficient	0
FNI	Fail no-show	0
II	Incomplete	0
AU	Audit	0
I	Incomplete	0
IP	In Progress	0
W	Approved Withdrawal	0

Letter grades AI through FI represent institutional credit. Institutional credits do not count in the grade point average, nor do they fulfill graduation requirements. Students who earn a

grade of AI-CI in developmental courses are eligible to move to the next course in the sequence or to the next level.

How to Calculate a Grade Point Average

The calculation of a grade point average is a simple mathematical process. Quality points earned, QP, also known as "grade points," are divided by the student's quality credits attempted.

Quality Points

Quality points (QP) earned are determined by multiplying the quality credits attempted of a course by the numerical value of the grade. For example, a "B" received in a three-credit course would yield nine quality points ($3 \times 3 = 9$). When calculating quality points earned, some courses are excluded from the process. Transfer credits and grades received for exams (CLEP, AP, etc.) as well as grades for "IC" (institutional credit) courses are not counted.

Course	Credits Attempted	Quality Credits Attempted	Grade	Value of Points	QP Earned	GPA
Math	3	3	B	3	9	
Literature	3	3	F*	0	0	
Chemistry	4	4	A	4	16	
History	3	3	B	3	9	
Basic Algebra	0(3IC**0	0	BI	0	0	
Total	13	13			34	2.62

Grade Point Average = Quality Points Earned (34) divided by Quality Credits Attempted (13) = 2.62

* "F" points are counted as credits attempted but produce "0" quality points

** "IC" courses (Institutional Credits) are counted neither in quality credits attempted nor as quality points.

Quality Credits Attempted

Quality Credits Attempted (Q Cr. Attempted) consists of all the college credits attempted by a student (including those failed, but not the exclusions above).

Example: $(GPA = QP \text{ Earned} / Q \text{ Credits Attempted})$; Grade Point Average = Quality Points Earned (34) divided by Quality Credits Attempted (13) = 2.62

Grade Appeal

Educational institutions have the responsibility for evaluating students by standards and a grading system which is publicized and known to instructors and students. The responsibility for determining the final grade of each student rests with the faculty member who has responsibility for teaching the course in which the student is responsible for demonstrating the learning which results in a final grade. A student who feels that the final grade he/she received in the class is unfair is entitled to an appeal.

Any student pursuing a grade appeal must follow the procedure

ACADEMICS

outlined below. Students are responsible for taking action within the procedural time line. Faculty secretaries are available to address student questions regarding the procedure. Grade appeals not following this procedure are not eligible for review.

Step One: The student must understand the policy and complete the appropriate form stating the exact nature of the appeal within two weeks from the end of the semester.

Step Two: The instructor must read the appeal, meet with the student and grant or deny the student's request.

Step Three: (a) If the professor is an adjunct or part-time instructor, the appropriate Program Coordinator or Department Chair must hear the appeal and attempt to resolve the problem. If no solution is reached, the appeal may be forwarded to the appropriate Division Dean whose decision is final.

OR

Step Three: (b) If the professor is a full-time instructor, the Division Dean must hear the appeal and attempt to resolve the problem within five days of the start of the next semester. The decision of the Division Dean is considered final.

Auditing

Students may choose to enroll in a course on an audit basis with the understanding that neither a grade nor credits can be assigned to the course(s) selected for audit. Audit status must be declared in the Registrar's Office by the tenth day of the semester. Students attempting to audit a course shall have satisfied all prerequisite requirements for that course on a credit basis unless they obtain a prerequisite waiver from the appropriate division dean or department chair. In those cases where no prerequisite is required, student requesting to audit a course must have obtained a satisfactory score on the appropriate placement test or present a one-course waiver from the Advising and Counseling Center exempting them from the placement test for the course selected for audit.

All standard tuition and fees are charged for courses audited. Senior citizens registering for credit courses on an audit basis will be charged tuition according to New Jersey statutory law. Students may not change from credit to audit status or from audit to credit status after the tenth day of the semester.

Audited courses appear on the student's transcript with a grade of "AU" and do not satisfy prerequisite requirements or indicate mastery of the subject material. Additionally, courses taken on an audit basis are not approved for veterans training, for financial aid or tuition waivers (with the exception of Sussex employees electing to audit a class as part of the standard tuition waiver benefit). Forms requesting a change from credit to audit and vice versa are available in the Registrar's Office.

Faculty members who are in charge of the course being audited shall be responsible for determining the extent to which auditing students participate in class assignments and other activities.

Incomplete Grades

An incomplete grade "I," may be given at the initiation of a student and at the discretion of the faculty, only to students who have completed at least 80% of the required coursework with a grade of "C" or better. No "I" grade may be given without the submission of the signed form.

The completion date is determined by the instructor, but in no



case may the date exceed February 15th for grades issued in fall and Winter semesters or terms and September 30th for grades issued in spring and summer semester or terms. After the deadline, if the "I" has not been changed by the instructor, the original "I" will be recorded as an "F."

Repeat Courses

Students may repeat courses in order to improve grade point averages. In a repeated course, the highest grade is calculated in the grade point average and appears on the transcript as "repeated course." All instances of repeated courses and grades remain on the transcript, however, credit will be awarded only once.

A course may be repeated twice, i.e., an initial registration plus two repeats for a total of three. Should a student attempt to repeat a course a third time (4th registration), he or she will be barred from registration except as noted: Special Topics, Chorus and English for Speakers of Other Languages.

In the event a course is retired and a replacement course designated, the repeat logic will apply to the designated replacement course. In the event a course is retired and a replacement course not designated, the student will lose the repeat option. Students may appeal this policy in writing to the Interim Assistant Vice President of Academic Affairs.

Satisfactory Academic Standing

To be classified as a student in satisfactory academic standing, any student, whether full-time or part-time, matriculated or non-matriculated, must maintain a grade point average of 2.0 or above.

DEGREES AND CERTIFICATES

Degrees

Sussex County Community College offers programs leading to the Associate in Arts (A.A.), Associate in Fine Arts (A.F.A.), Associate in Science (A.S.) and Associate in Applied Science (A.A.S.) degrees and programs leading to Professional Certificates.

All matriculated students, whether they plan to transfer to a four year institution or complete their college careers at the end of their programs, are eligible for the associate degree or certificate if all graduation requirements set forth in this catalog have been met. The program outlines are offered as guidelines and courses do not necessarily need to be taken in the order suggested. Please note that many courses require prerequisites.

Academic programs are subject to change. Students should contact the Academic Affairs Office or the Student Advising and Counseling Center for the most current information.

Associate in Arts (A.A.)

The Associate in Arts degree is designed for transfer to a four-year institution.

The programs leading to the Associate in Arts degree parallel those offered in the freshman and sophomore years at four-year institutions. Students who satisfactorily complete their chosen programs will be able to continue their college education into their junior and senior years at four-year colleges or universities.

Liberal Arts

with Options in:

- Anthropology
- Communication/ Broadcasting
- Communication/Film Studies
- Communication/Journalism
- Elementary/Secondary Education
- English
- History
- Music
- Musical Theater
- Political Science
- Pre-Law
- Psychology
- Sociology
- Theater Arts

Associate in Fine Arts (A.F.A.)

The Associate in Fine Arts degree is designed for the student who is planning a career in studio arts, photography or design or who plans to transfer to a four year institution or professional art school. The program provides liberal studies required by most B.F.A. programs and sufficient studio courses for junior year status.

Studio Arts

with Options in:

- Architecture Design
- Art Education
- Fashion Design
- Interior Design
- Photography

Associate in Science (A.S.)

The Associate in Science degree is designed for transfer to a four-year institution.

The programs leading to the Associate in Science degree parallel those offered in the freshman and sophomore years at four year institutions. Students who satisfactorily complete their chosen programs will be able to continue their college education into their junior and senior years at four year colleges or universities.

Accounting

Business Administration

Criminal Justice

Environmental Studies

Exercise Science

Horticultural Science

Human Services

Science/Mathematics

with Options in:

Biology

Chemistry

Computer Science

Engineering Science

Geology

Information Systems

Mathematics

Pre-Medical Dental

Pre-Nutrition Dietetic



DEGREES AND CERTIFICATES

Associate in Applied Science (A.A.S.)

The Associate in Applied Science degrees are career-related and designed for the student who is planning to enter the workforce upon graduation. Students receive education and training in the skills needed for employment, plus the general education designed to turn out well-rounded employees. While some credits may transfer to four year institutions, the A.A.S. programs are not designed for transfer. The following A.A.S. programs are designed to equip students with the skills needed for immediate entry into the job market.

Agricultural Business

Automotive Service Technology

Business Management

with Options in:

Hotel/Restaurant Management

Supply Chain Management

Child Development Specialist

Computer Information Systems

with Options in:

Digital Forensics

Game Development

Information Technology

Fire Science Technology

Graphic Design

with Options in:

3D Computer Arts

Illustration

Social Media Marketing

Health Science

New Media Communications

Nurse Education (In conjunction with Passaic County Community College. Requires a separate admission)

Paralegal Studies

Technical Studies

with Options in:

Building Construction Technology

Cosmetology

Culinary

Diesel Service Technology

Electrical Lineman Option

Electronic Music & Recording

Machine Tool Technology

Optics Technology

Technical Theater

Welding

Certificates

These certificates are awarded to those students who successfully complete programs that are offered for college credit and which require a general education component. Professional certificates require no more than 35 credits and require College Placement Testing for admission. Professional certification requires a minimum 2.0 GPA.

Automotive Service Technology

Child Development Specialist

Computer Information Systems

Computerized Accounting

Culinary

Digital Journalism

Elder Law Specialist

Fire Science Technology

Machine Tool Technology

Massage Therapy

Optics Technology: CNC

Optics Technology: Conventional

Optics Technology: Metrology

Paralegal

Supply Chain Management

Web Design

Certificates of Achievement

The Certificates of Achievement are designed for individuals who wish to start out on a career path or who are already working in their field and want to advance and update their knowledge and skills.

Bookkeeping

Computer Aided Design/Drawing Software

Cultural Competence

Cyber Crime Investigation

Digital Art and Illustration

Graphic and Digital Design

Health and Exercise Science

Humanities

Independent Film

Interactive Design Skills

Multimedia Artist

Music Fundamentals

Optics Technology: CNC

Optics Technology: Conventional

Optics Technology: Metrology

Personal Trainer

Photography

Social Media

Sustainable Gardening

Technical Support

WordPress Theme Design



**RECOMMENDED
COURSE SEQUENCING
AND PROGRAM
DESCRIPTIONS**

3D COMPUTER ARTS OPTION

A.A.S. - GRAPHIC DESIGN



PROGRAM DESCRIPTION:

This program is designed to prepare students for entry-level positions in the game and graphics industry. Studio-intensive courses include the rapidly advancing technology of computer graphics and a wide spectrum of digital visual media including 3-D modeling and animation, texture and lighting, compositing, digital film and video effects and creating graphics for the Internet utilizing industry standard software. Graduates will have the introductions necessary to consider careers in graphic design, 2-D conceptual art, 3-D character building, 3-D object modeling, 2-D texture art or interactive design.

Approximately one-half of all program graduates go on to complete a baccalaureate degree in game art, animation, graphic design, film, video, or illustration.

Upon completion of this program, graduates will be able to:

- Analyze the history of visual culture and design theory, and apply historical relevance in the context of modern industry issues and trends.
- Conceptualize, design, and plan animated works while exercising store development and artistic techniques.
- Execute technical, aesthetic, and conceptual decisions based on understanding the functions of traditional design and computer-based graphics.
- Use the principle techniques of 3-D modeling and animation for content related to film and game design.
- Collaborate with diverse teams of creative contributors, production personnel and clients while working with creative constraints and deadlines.
- Produce a professional portfolio of representative projects.
- Apply knowledge of intellectual property issues.
- Introduction to a career in various industries including game art, illustration, video, film web, desktop publishing and advertising.

3D COMPUTER ARTS OPTION

A.A.S. - GRAPHIC DESIGN

FALL SEMESTER 1 st YEAR				FALL SEMESTER 2 nd YEAR			
		Credit Hours	<input checked="" type="checkbox"/>			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	ENGL201	Effective Speaking	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>	ARTA104	Art History II	3	<input type="checkbox"/>
GRAD101	Design I	3	<input type="checkbox"/>	GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
GRAD105	Vector Graphic and Page Design	3	<input type="checkbox"/>	GRAD162	Character Modeling in 3D	3	<input type="checkbox"/>
GRAD153	Character Design	3	<input type="checkbox"/>	GRAD163	3D Environments	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15		TOTAL FALL SEMESTER		15	
WINTER SESSION 1 st YEAR				WINTER SESSION 2 nd YEAR			
SPRING SEMESTER 1 st YEAR				SPRING SEMESTER 2 nd YEAR			
		Credit Hours	<input checked="" type="checkbox"/>			Credit Hours	<input checked="" type="checkbox"/>
MAST000	Math/Science/Technology Gen Ed Requirement	3	<input type="checkbox"/>	GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
ARTA103	Art History I	3	<input type="checkbox"/>	GRAD164	Character Animation in 3D	3	<input type="checkbox"/>
GRAD107	Drawing for Designers	3	<input type="checkbox"/>	GRAD202	3D Level Design	3	<input type="checkbox"/>
GRAD128	Digital Imagery and Editing	3	<input type="checkbox"/>	GRAD235	Video and Motion Graphics	3	<input type="checkbox"/>
GRAD158	3D Modeling	3	<input type="checkbox"/>	GRAD282	Portfolio/Reel Preparation and Presentation	2	<input type="checkbox"/>
				GRAD283	3D Computer Arts Internship	1	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15		TOTAL SPRING SEMESTER		15	
SUMMER SESSION 1 st YEAR				SUMMER SESSION 2 nd YEAR			
TOTAL PROGRAM						60	

Math, Science, Technology, Humanities, and Social Science Gen Ed Requirement: Choose from the list of approved General Education courses in the College catalog.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ACCOUNTING A.S.



PROGRAM DESCRIPTION:

This program is designed primarily for students who wish to pursue a baccalaureate degree in accounting or finance at a four-year institution. Graduates of this program have also successfully entered the workplace in a variety of entry-level accounting-related positions. The program offers not only an extensive background in accounting but also a strong fundamental knowledge of the major functions of business and industry.

Upon completion of this program, graduates will be able to:

- Demonstrate knowledge of generally accepted accounting principles (GAAP).
- Describe and implement all the steps in the accounting cycle.
- Construct and interpret basic financial statements (balance sheets, income statements, the statement of cash flow, etc.).
- Identify and develop effective internal control systems.
- Identify unethical accounting practices and describe the basic aspects of the Sarbane-Oxley Act as related to ethical accounting practices.
- Utilize computer spreadsheet programs to record various types of accounting information and perform basic day-to-day accounting operations.

ACCOUNTING A.S.

FALL SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
ACCT101	Accounting Principles I – Financial	3	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
ACCT102	Accounting Principles II – Managerial	3	<input type="checkbox"/>
ECON101	Macroeconomics	3	<input type="checkbox"/>
BUSA205	Business Law I	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
BIOS101	General Biology	4	<input type="checkbox"/>
BIOS122	Introduction to Environmental Science	4	<input type="checkbox"/>
PHYS107	Introductory Meteorology	4	<input type="checkbox"/>

Humanities and Social Science General Education courses	
Choose from the list of approved courses in the College catalog.	

FALL SEMESTER 2nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
ACCT107	Computerized Accounting (FA)	3	<input type="checkbox"/>
ACCT000	Program Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
ACCT000	Program Elective	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
ACCT000	Program Elective	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

MATH General Education courses – take two in sequence			
MATH110	Pre-Calculus I	3	<input type="checkbox"/>
MATH111	Business Calculus	3	<input type="checkbox"/>
MATH112	Pre-Calculus II	3	<input type="checkbox"/>
MATH113	Calculus I	4	<input type="checkbox"/>
MATH114	Calculus II	4	<input type="checkbox"/>

Accounting Program Electives			
ACCT205	Payroll Accounting (FA)	3	<input type="checkbox"/>
BUSA220	Principles of Marketing	3	<input type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
BUSA190	Business Applications Using Electronic Spread Sheets – (SP)	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

AGRICULTURAL BUSINESS A.A.S.



PROGRAM DESCRIPTION:

The Associate in Applied Science Degree in Agricultural Business is designed for individuals with a strong interest in occupations that relate to farming, nursery production, landscape design, landscape maintenance, the production of organic fruits and vegetables, and similar agricultural endeavors.

Students interested in operating their own agricultural businesses need some knowledge of standard business practices, business planning, marketing, and supervision in addition to technical skills such as plant propagation, production at scale, greenhouse management, pest control, and related issues.

Upon completion of this program, graduates will be able to:

- Demonstrate proficiency in written and oral skills when communicating about agricultural business topics.
- Demonstrate the ability to analyze agribusiness data in the free market and global economies.
- Demonstrate the ability to retrieve and critically evaluate information from a variety of agribusiness sources.
- Research, develop, organize, and write a business/marketing plan for an agribusiness enterprise.
- Demonstrate readiness for employment in the field of agribusiness.

AGRICULTURAL BUSINESS

A.A.S.

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH104	Contemporary Math	3	<input type="checkbox"/>
AGSC101	Introduction to Agricultural Science	4	<input type="checkbox"/>
BIOS101	General Biology	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
AGSC107	Agricultural Pest Control and Management (FA)	4	<input type="checkbox"/>
BUSA211	Management and Organizational Behavior	3	<input type="checkbox"/>
COMS120	Computer Software Applications	3	<input type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
AGBS000	Option Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing and Communications I	3	<input type="checkbox"/>
CHEM100	Introductory Chemistry	4	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
COMS110	Computer Concepts and Applications	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		16	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
AGSC201	Agricultural Marketing (SP)	3	<input type="checkbox"/>
AGSC240	Agricultural Science Internship	3	<input type="checkbox"/>
BUSA205	Business Law I	3	<input type="checkbox"/>
AGBS000	Option Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		12	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
HUMN102	Survey of World Culture II	3	<input type="checkbox"/>
HIST105	U.S. History I	3	<input type="checkbox"/>
HIST106	U.S. History II	3	<input type="checkbox"/>

Option Electives (Recommended)			
In addition to the recommended courses students may also choose from any ACCT, BIOS, BUSA, HORT or MATH108 courses listed in the College catalog.			
ACCT101	Accounting Principles I Financial	3	<input type="checkbox"/>
BUSA110	Business Communications	3	<input type="checkbox"/>
BIOS130	Introduction to Botany (FA)	4	<input type="checkbox"/>
HORT102	Plant Propagation (SP)	4	<input type="checkbox"/>
HORT201	Introduction to Soil Science (FA)	4	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ANTHROPOLOGY OPTION

A.A. - Liberal Arts.



PROGRAM DESCRIPTION:

The Anthropology Option is primarily designed to prepare students to transfer into the junior year of a baccalaureate degree program in anthropology. In addition, students seeking admission into cultural area studies programs such as African-American Studies, Latina/o Studies and Women's Studies would receive a solid academic foundation on which to build.

Upon completion of this program, graduates will be able to:

- Demonstrate critical analysis and empathy skills.
- Identify ethical issues in anthropological research.
- Demonstrate an understanding of human origins and past and present cultures.
- Apply classroom knowledge to issues of globalization, human diversity, human ecology, language and religion.
- View societies from evolutionary and cross-cultural perspectives.

ANTHROPOLOGY OPTION

A.A. - Liberal Arts.

FALL SEMESTER 1 st YEAR				Credit Hours	<input checked="" type="checkbox"/>	FALL SEMESTER 2 nd YEAR				Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	ENGL201	Effective Speaking	3	<input type="checkbox"/>				
ENGL101	English Composition I	3	<input type="checkbox"/>	ANTH120	Cultural Anthropology	3	<input type="checkbox"/>				
ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>	PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>				
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>				
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>	GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>				
TOTAL FALL SEMESTER				15		TOTAL FALL SEMESTER				16	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR				Credit Hours	<input checked="" type="checkbox"/>	SPRING SEMESTER 2 nd YEAR				Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	ANTH110	Physical Anthropology	3	<input type="checkbox"/>				
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>	HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>				
MATH108	Statistics	3	<input type="checkbox"/>	LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>				
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	ANTH000	Anthropology Option Elective	3	<input type="checkbox"/>				
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	COLL201	Capstone for Liberal Arts	1	<input type="checkbox"/>				
TOTAL SPRING SEMESTER				15		TOTAL SPRING SEMESTER				14	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Philosophy and Social Science General Education courses: Choose from the list of approved courses in the College catalog.

Humanities General Education courses (Recommended)
Recommended courses listed below but student can also choose from the list of approved Humanities General Education courses in the College catalog.

AMLS101	American Sign Language I	3	<input type="checkbox"/>
AMLS102	American Sign Language II	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>

Science General Education courses (Recommended)
Recommended courses listed below but student can also choose from the list of approved Science General Education courses in the College catalog.

BIOS101	General Biology	4	<input type="checkbox"/>
BIOS102	Introduction to Human Biology	4	<input type="checkbox"/>
BIOS122	Introduction to Environmental Science	4	<input type="checkbox"/>
BIOS130	Introduction to Botany	4	<input type="checkbox"/>
CHEM100	Introductory Chemistry	4	<input type="checkbox"/>
GEOL110	Historical Geology	4	<input type="checkbox"/>

History General Education courses (Recommended)
Recommended courses listed below but student can also choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.

HIST101	History of Western Civilization I	3	<input type="checkbox"/>
HIST102	History of Western Civilization II	3	<input type="checkbox"/>

Technology General Education courses
Choose from the list of approved Technology General Education courses in the College catalog.

Anthropology Option Electives (choose one)

ANTH131	Introduction to Archaeology	3	<input type="checkbox"/>
ANTH133	Archaeology Field Methods	3	<input type="checkbox"/>
ANTH150	Magic, Myth & Religion	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ARCHITECTURE DESIGN OPTION

A.F.A. - Studio Arts



PROGRAM DESCRIPTION:

The Architecture Design Option develops an understanding and ability to create within the discipline of Architecture through the study of art, art history, theory, technology, and studio work. The degree is intended to provide students with the necessary portfolio to transfer seamlessly to a Bachelor of Fine Arts program majoring in Architectural Design.

Upon completion of this program, graduates will be able to:

- Use the techniques, skills, and modern engineering tools necessary for designing a physical structure.
- Analyze the strength and weaknesses of architectural designs in history.
- Examine connections between theory and practice in the field of Architecture
- Design a structure that meets the desired needs within realistic constraints, i.e., economic, environmental, social, political, ethical, health, safety, and sustainability.
- Create a portfolio of hand drawn and digital drawings.

ARCHITECTURE DESIGN OPTION

A.F.A. - Studio Arts

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
ARTA103	Art History I	3	<input type="checkbox"/>
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
ARTA110	Introduction to Color	3	<input type="checkbox"/>
ARTA115	3-D Design	3	<input type="checkbox"/>
ARTA150	Life Drawing I	3	<input type="checkbox"/>
COMS225	Computer Aided Design I	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
ARTA108	Basic Drawing	3	<input type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
ARTA101	Basic Design	3	<input type="checkbox"/>
ARTA002	Studio Art Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>
DESN120	History of Design	3	<input type="checkbox"/>
PHYS110	Physics I	4	<input type="checkbox"/>
ARTA262	Portfolio for Architecture	2	<input type="checkbox"/>
ARTA002	Studio Art Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM

60

Math General Education Requirement courses (Recommended)

Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

MATH110	Pre-Calculus I	3	<input type="checkbox"/>
MATH112	Pre-Calculus II	3	<input type="checkbox"/>

Technology Gen Ed Requirement courses (Recommended)

Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
---------	----------------------------------	---	--------------------------

Studio Art Elective

Choose from any ARTA course designations.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ART EDUCATION OPTION

A.F.A - Studio Arts



PROGRAM DESCRIPTION:

Students enrolled in the Art Education Option Program acquire strong knowledge and skills through both Studio Arts and Art Education curricula employing a wide range of 2D and 3D as well as digital and graphic design media and processes. Students gain a conception of art education that integrates art making, art history, visual culture, art criticism, philosophies of art, art education theory, social-justice influences, and community-based artistic engagements. Also addressed in the curriculum are the ways interdisciplinary aspects of art education can affect societal beliefs, values, and behaviors.

Upon completion of this program, graduates will be able to:

- Exhibit a competency to lead visual art activities for children or adults.
- Exhibit knowledge of art history, art curriculum, and program development.
- Demonstrate the ability to design an individualized course of study that explores ways of reaching art students in and through the arts.
- Demonstrate through art education the intrinsic societal value of the visual arts.
- Demonstrate analytical skills and explore relationships of the arts to other sectors in education.
- Create a portfolio of visual art exercises to be used in classes.

ART EDUCATION OPTION

A.F.A - Studio Arts

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
ARTA103	Art History I	3	<input type="checkbox"/>
ARTA101	Basic Design	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
ARTA115	3-D Design	3	<input type="checkbox"/>
ARTA150	Life Drawing I	3	<input type="checkbox"/>
ARTA175	Ceramics I	3	<input type="checkbox"/>
ARTA180	Painting I	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
ARTA108	Basic Drawing	3	<input type="checkbox"/>
ARTA110	Introduction to Color	3	<input type="checkbox"/>
EDUC202	Historical and Philosophical Patterns in Education	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>
EDUC286	Principles & Practices of Teaching as a Profession	3	<input type="checkbox"/>
PSYC280	Educational Psychology	3	<input type="checkbox"/>
ARTA260	Portfolio Development	3	<input type="checkbox"/>
ARTA002	Studio Art Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM **60**

Studio Art Elective courses (Recommended)			
Recommended courses listed below but student can also choose from any ARTA, PHOT or ARTA/PHOT designations			
ARTA135	Alternative Processes in Photography	3	<input type="checkbox"/>

Technology General Education courses	
Choose from the list of approved General Education courses in the College catalog.	

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

AUTOMOTIVE SERVICE TECHNOLOGY A.A.S.



PROGRAM DESCRIPTION:

This program is designed to meet the demand for trained automotive technicians. The student participates in hands-on experiences in testing, troubleshooting and repairing automobiles. Learning is reinforced by a work-site cooperative employment experience at a local automotive company.

This program is offered in the evening on a part-time basis only.

Upon completion of this program, graduates will be able to:

- Evaluate, diagnose, and repair various automotive systems.
- Identify specifications related to the inspection, repair, and adjustment of automotive systems.
- Use various test equipment to diagnose and repair defects.
- Apply basic electrical theory using wiring diagrams and schematics to diagnose and repair automotive electrical circuits.
- Explain the operation of, and perform service on, automatic and manual transmissions and transaxles and differentials.
- Analyze defects of automotive air conditioning and climate control systems and identify necessary preventative maintenance or corrective repairs.
- Discuss the theory of alignment, braking, suspension and steering systems, problem diagnosis and correction of braking, suspension, steering, and alignment problems.

AUTOMOTIVE SERVICE TECHNOLOGY A.A.S.

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
AOTE101	Automotive Fundamentals	3	<input type="checkbox"/>
AOTE110	Automotive Electrical Systems	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
AOTE130	Steering & Suspension Systems	3	<input type="checkbox"/>
AOTE203	Engine Construction, Operation & Service	3	<input type="checkbox"/>
AOTE204	Manual Transmissions & Drivelines	3	<input type="checkbox"/>
AOTE206	Automatic Transmissions & Transaxles	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
AOTE120	Automotive Brake Systems	3	<input type="checkbox"/>
AOTE118	Automotive Heating & Air Conditioning	3	<input type="checkbox"/>
AOTE000	Program Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
AOTE208	Advanced Automotive Electronics	3	<input type="checkbox"/>
AOTE215	Automotive Engine Performance	3	<input type="checkbox"/>
AOTE262	Service Center Internship	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities or Social Science General Education courses
Choose from the list of approved Humanities or Social Science courses listed in the College catalog.

Program Electives (Recommended)
Recommended courses listed below but student can also choose from any course with a AOTE, BUSA or COMS designation.

AOTE261	Service Center Education Class	1	<input type="checkbox"/>
---------	--------------------------------	---	--------------------------

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

AUTOMOTIVE SERVICE TECHNOLOGY CERTIFICATE



PROGRAM DESCRIPTION:

This program is designed to meet the demand for trained automotive technicians. The student participates in hands-on experiences in testing, troubleshooting and repairing automobiles.

This program is offered in the evening on a part-time basis only.

Upon completion of this program, graduates will be able to:

- Evaluate, diagnose, and repair various automotive systems.
- Identify specifications related to the inspection, repair, and adjustment of automotive systems.
- Use various test equipment to diagnose and repair defects.
- Identify the basic electrical circuits and diagnose automotive electrical systems.
- Apply basic electrical theory using wiring diagrams and schematics to diagnose and repair automotive electrical circuits.

AUTOMOTIVE SERVICE TECHNOLOGY CERTIFICATE

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
AOTE101	Automotive Fundamentals	3	<input type="checkbox"/>
AOTE110	Automotive Electrical Systems	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		9	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
AOTE130	Steering & Suspension Systems	3	<input type="checkbox"/>
AOTE203	Engine Construction, Operation & Service	3	<input type="checkbox"/>
AOTE204	Manual Transmissions & Driveline	3	<input type="checkbox"/>
AOTE206	Automatic Transmissions & Transaxles	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		12	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
AOTE120	Automotive Brake Systems	3	<input type="checkbox"/>
AOTE208	Advanced Automotive Electronics	3	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		9	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
AOTE118	Automotive Heating & Air Conditioning	3	<input type="checkbox"/>
AOTE215	Automotive Engine Performance	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		6	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	36
----------------------	-----------

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

BIOLOGY OPTION

A.S. - SCIENCE/MATHEMATICS



PROGRAM DESCRIPTION:

This program is designed for students who wish to pursue a bachelor's degree at a four-year institution, majoring in Biology or a related science.

According to the National Research Council, students should be able to demonstrate that:

- Science is an evidence-based way of thinking about the natural world and understanding how it operates.
- Science is a process with rules of operation that allow our understanding of the natural world to evolve.
- Science is based on reproducible evidence and observations that contain uncertainties.
- The sciences are related to each other, mathematics, and everyday life.
- Science is driven by globalization, technology, and new instrumentation and measurement tools.
- Scientific meanings of theory and law are different than popular meanings.

BIOLOGY OPTION

A.S. - SCIENCE/MATHEMATICS

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH110	Pre-Calculus I*	3	<input type="checkbox"/>
BIOS110	Biology I	4	<input type="checkbox"/>
CHEM110	College Chemistry I	4	<input type="checkbox"/>
TOTAL FALL SEMESTER		17	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
BIOS124	Ecology	4	<input type="checkbox"/>
BIOS130	Introduction to Botany	4	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		14	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
BIOS112	Biology II	4	<input type="checkbox"/>
CHEM112	College Chemistry II	4	<input type="checkbox"/>
TOTAL SPRING SEMESTER		14	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
BIOS210	Microbiology	4	<input type="checkbox"/>
BIOS000	Option Elective	4	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
COLL210	Capstone for Biological and Clinical Sciences	1	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
HUMN102	Survey of World Culture II	3	<input type="checkbox"/>
PHIL205	Contemporary Ethical Issues	3	<input type="checkbox"/>
AMSL101	American Sign Language	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>
HIST102	History of Western Civilization I	3	<input type="checkbox"/>

Option Electives (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Biology Elective courses in the College catalog.			
BIOS102	Introduction to Human Biology	4	<input type="checkbox"/>
BIOS122	Introduction to Environmental Science	4	<input type="checkbox"/>
CHEM107	Forensic Science	4	<input type="checkbox"/>
HORT102	Plant Propagation	4	<input type="checkbox"/>
PHYS110	Physics I	4	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>
POLS101	Introduction to Political Science	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

***Students testing higher than MATH110 on the CLM test may take MATH111, MATH112, MATH113, MATH114 or MATH213 to satisfy this math requirement.**

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

BUILDING CONSTRUCTION TECHNOLOGY

A.A.S. - Technical Studies



PROGRAM DESCRIPTION:

The Building Construction Technology Program is designed to provide students with the hands on practice skills and training necessary to obtain employment in the Building Construction Industry. The program prepares students in leadership and planning, technical knowledge and emerging technologies, creative problem solving, sustainable practices, and ethical principles to successfully achieve academic and professional goals.

Upon completion of this program, graduates will be able to:

- Interpret and apply appropriate building and structural codes to industry standards.
- Interpret construction documents, blueprints, schematics and sketches.
- Communicate information effectively, in both verbal and written forms.
- Demonstrate effective problem solving skills based on knowledge and practice.
- Understand, integrate, and apply construction knowledge and skills professionally.
- Demonstrate professionalism with attitude, conduct and ethical work practices.
- Communicate skillfully with other industry professionals involved in the construction process.

BUILDING CONSTRUCTION TECHNOLOGY

A.A.S. - Technical Studies

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
BCST101	Introduction to Building Construction	1	<input type="checkbox"/>
BCST103	Construction Safety, Tools and Equipment	2	<input type="checkbox"/>
BCST112	Print Reading and Sketching	3	<input type="checkbox"/>
BCST125	Codes in Construction	1	<input type="checkbox"/>
BCST130	Construction Site Prep and Layout	1	<input type="checkbox"/>
TOTAL FALL SEMESTER		14	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing & Communication	3	<input type="checkbox"/>
TSC000 or BCST000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TSC000 or BCST000	Technical Studies Core or Program Elective	2	<input type="checkbox"/>
TSC000 or BCST000	Technical Studies Core or Program Elective	4	<input type="checkbox"/>
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
BCST142	Construction Materials and Methods I	3	<input type="checkbox"/>
TSC000 or BCST000	Technical Studies Core or Program Elective	2	<input type="checkbox"/>
TSC000 or BCST000	Technical Studies Core or Program Elective	4	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
BCST270	Estimating, Planning, Scheduling and Management	4	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
TSC000 or BCST000	Technical Studies Core or Program Elective	2	<input type="checkbox"/>
TSC000 or BCST000	Technical Studies Core or Program Elective	4	<input type="checkbox"/>
TSC000 or BCST000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		16	

SUMMER SESSION 1st YEAR

Humanities, Social Science, and General Education courses
Choose from the list of approved Humanities, Social Science, or General Education courses listed in the College catalog.

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM **60**

Technical Studies Core or Program Electives Courses (Recommended)**			
Technical Studies credits may be earned for corporate, industrial, or military training programs after review by a faculty assessor of related program. Individuals without sufficient technical training experience must select courses in one of the programs/options listed below to satisfy the Technical Studies credit requirements. All courses should be selected with assistance from a faculty advisor.			
BCST150	Introduction to Electrical and Mechanical Systems (SP)	2	<input type="checkbox"/>
BCST210	Roof Structures/Stairs (SP)	4	<input type="checkbox"/>
BCST230	Construction Materials and Methods II (FA)	3	<input type="checkbox"/>
BCST255	Interior Finishes (FA)	2	<input type="checkbox"/>
BCST260	Trim and Millwork (FA)	4	<input type="checkbox"/>
BCST235	Weather Resistant Barriers and Finishes(SP)	2	<input type="checkbox"/>
BCST245	Masonry Principles and Concrete Construction (SP)	4	<input type="checkbox"/>
BCST280	Building Construction Internship (SP)	3	<input type="checkbox"/>

Technology General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
**Select courses from one of the following programs(P)/options(O): (Courses must be approved by appropriate faculty advisor):			
Business Management (P)			
Computer Information Systems (P)			
Engineering Science (O)			
Graphic Design (P)			
Machine Tool Technology (O)			
Welding Technology (O)			

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

BUSINESS ADMINISTRATION A.S.



PROGRAM DESCRIPTION:

This program is structured to provide fundamental knowledge of business topics. Emphasis is placed on business theory and techniques used to solve contemporary business problems. This program is designed for students who intend to transfer to a four-year baccalaureate program.

Upon completion of this program, graduates will be able to:

- Explain the evolution of the private enterprise system in the American economy.
- Describe the impact of government, labor, free trade and globalization on U.S. business enterprises.
- Analyze contemporary business problems and propose effective solutions using case studies and business analysis applications.
- Examine ethical and legal implications of managerial decisions.
- Interpret basic financial statements and managerial reports.
- Identify the impact of leadership in defining organizational culture.
- Design and deliver effective presentations commonly used in business environments.

BUSINESS ADMINISTRATION A.S.

FALL SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
ACCT101	Accounting Principles I – Financial	3	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>
MATH110	Pre-Calculus I	3	<input type="checkbox"/>
COMS120	Computer Software Applications	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
BUSA211	Management & Organizational Behavior	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
ACCT102	Accounting Principles II – Managerial	3	<input type="checkbox"/>
ECON101	Macroeconomics	3	<input type="checkbox"/>
BUSA205	Business Law I	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
BUSA220	Principles of Marketing	3	<input type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
BIOS101	General Biology	4	<input type="checkbox"/>
BIOS122	Introduction to Environmental Science	4	<input type="checkbox"/>
PHYS107	Introductory Meteorology	4	<input type="checkbox"/>

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
HIST105	U.S. History I	3	<input type="checkbox"/>
HIST106	U.S. History II	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

BUSINESS MANAGEMENT

A.A.S. - Liberal Arts



PROGRAM DESCRIPTION:

This program is designed primarily to prepare students for immediate entry into the workforce. The program provides students with fundamental business knowledge and prepares them for careers in business, government, retail and not-for-profit organizations.

Upon completion of this program, graduates will be able to:

- Analyze contemporary business problems and propose effective solutions using case studies and business applications tools.
- Examine ethical and legal implications of managerial decisions.
- Interpret basic financial statements and managerial reports.
- Identify the impact of leadership in defining organizational culture.
- Design and deliver effective presentations commonly used in contemporary business environments.

BUSINESS MANAGEMENT

A.A.S. - Liberal Arts

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>	
ACCT101	Accounting Principles I – Financial	3	<input type="checkbox"/>	
BUSA101	Introduction to Business	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		15		

FALL SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
COMS120	Computer Software Applications	3	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
BUSA110	Business Communications	3	<input type="checkbox"/>	
BUSA211	Management & Organizational Behavior	3	<input type="checkbox"/>	
BUSA235	Introduction to International Business (FA)	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		15		

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st Year			Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>	
ACCT102	Accounting Principles II – Managerial	3	<input type="checkbox"/>	
ECON101	Macroeconomics	3	<input type="checkbox"/>	
BUSA205	Business Law I	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

SPRING SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
BUSA220	Principles of Marketing	3	<input type="checkbox"/>	
BUSA125	Principles of Supervision (SP)	3	<input type="checkbox"/>	
BUSA120	Small Business Management (SP)	3	<input type="checkbox"/>	
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
HIST105	U.S. History I	3	<input type="checkbox"/>
HIST106	U.S. History II	3	<input type="checkbox"/>

Math General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
MATH104	Contemporary Mathematics	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

CHEMISTRY OPTION

A.S. - Science/Mathematics



PROGRAM DESCRIPTION:

Students who wish to pursue a bachelor's degree at a four-year institution, majoring in chemistry or chemical engineering, should pursue the A.S. Science/Mathematics Chemistry Option. As part of this option, students can expect to make laboratory measurements, as well as do inorganic synthesis, organic synthesis, titration, pH, refractive index, gas chromatography, ultraviolet/visible spectroscopy, and infrared spectroscopy. Depending on your specific course of study, you may also learn polarimetry and gel electrophoresis.

Upon completion of this program, graduates will be able to:

- Conduct experiments using good safety practice, ethical methods, and modern lab equipment to collect observations and measurements of the natural world.
- Apply scientific theories and laws in chemistry that are consistent with observations of the natural world.
- Interpret and communicate scientific information in various forms including writing, graphs, tables, diagrams, and equations.
- Design all or part of an experiment.

CHEMISTRY OPTION

A.S. - Science/Mathematics

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH113	Calculus I	4	<input type="checkbox"/>
CHEM110	College Chemistry I	4	<input type="checkbox"/>
TOTAL FALL SEMESTER		14	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
CHEM210	Organic Chemistry I (FA)	5	<input type="checkbox"/>
MATH213	Calculus III	4	<input type="checkbox"/>
PHYS120	Physics I with Calculus	4	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
MATH114	Calculus II	4	<input type="checkbox"/>
CHEM112	College Chemistry II	4	<input type="checkbox"/>
COMS114	Introduction to Computer Science I	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		14	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
CHEM212	Organic Chemistry II (SP)	5	<input type="checkbox"/>
PHYS121	Physics II with Calculus	4	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
COLL211	Capstone for Mathematics and Chemistry	1	<input type="checkbox"/>
TOTAL SPRING SEMESTER		16	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
AMSL101	American Sign Language I	3	<input type="checkbox"/>
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
PHIL205	Contemporary Ethical Issues	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

CHILD DEVELOPMENT SPECIALIST A.A.S.



PROGRAM DESCRIPTION:

The Associate of Applied Science degree program in Early Childhood Education (Child Development Specialist) prepares students to be education assistants and teacher aides in schools, child care centers and similar settings. Students in the program will have successfully completed 300 hours of supervised field experience in which they worked effectively with children and their families, other staff and administration.

Upon completion of this program, graduates will be able to:

- Use theories and knowledge of growth and development to understand the multiple influences that promote child development and learning.
- Build relationships with families and the community to create a respectful and reciprocal community of learning to support children and families.
- Support young children through the use of observation, documentation, and assessment techniques and strategies.
- Create, implement and evaluate effective early childhood curricula while implementing the philosophy of developmentally appropriate practices.
- Exhibit characteristics of an early childhood professional by following the National Association for the Education of Young Children (NAEYC) ethical guidelines, participating in professional organizations and professional development, and advocating for children and families.
- Program Goals are based on NAEYC Associate Degree Program Standards.

CHILD DEVELOPMENT SPECIALIST A.A.S.

FALL SEMESTER 1 st YEAR				Credit Hours	<input checked="" type="checkbox"/>	FALL SEMESTER 2 nd YEAR				Credit Hours	<input checked="" type="checkbox"/>	
COLL101	Foundations for Success	3	<input type="checkbox"/>	CDSC000	Program Elective	3	<input type="checkbox"/>	EDUC275	Working with Special Needs Children (FA)	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	CDEV150	Language Development & Language Arts in Early Childhood Education (FA)	3	<input type="checkbox"/>	CDEV270	Curriculum Studies in Early Childhood Education (FA)	3	<input type="checkbox"/>	
MATH104 OR MATH106	Contemporary Mathematics Or Mathematical Concepts	3	<input type="checkbox"/>	CDEV280	Child Care Internship I	3	<input type="checkbox"/>	TOTAL FALL SEMESTER				15
CDEV101	Introduction to Early Childhood Education	3	<input type="checkbox"/>	TOTAL FALL SEMESTER				15				
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>	TOTAL FALL SEMESTER				15				
TOTAL FALL SEMESTER				15	TOTAL FALL SEMESTER				15			
WINTER SESSION 1 st YEAR				WINTER SESSION 2 nd YEAR								
SPRING SEMESTER 1 st YEAR				Credit Hours	<input checked="" type="checkbox"/>	SPRING SEMESTER 2 nd YEAR				Credit Hours	<input checked="" type="checkbox"/>	
ENGL102	English Composition II	3	<input type="checkbox"/>	CDSC000	Program Elective	3	<input type="checkbox"/>	CDEV285	Child Care Internship II	3	<input type="checkbox"/>	
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>	SOCA101	Introduction to Sociology	3	<input type="checkbox"/>	ENGL201	Effective Speaking	3	<input type="checkbox"/>	
CDEV160	Child Health and Nutrition (SP)	3	<input type="checkbox"/>	GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	TOTAL SPRING SEMESTER				15
CDEV260	Methods of Teaching Infants & Toddlers (SP)	3	<input type="checkbox"/>	TOTAL SPRING SEMESTER				15				
PSYC111	Child Psychology	3	<input type="checkbox"/>	TOTAL SPRING SEMESTER				15				
TOTAL SPRING SEMESTER				15	TOTAL SPRING SEMESTER				15			
SUMMER SESSION 1 st YEAR				SUMMER SESSION 2 nd YEAR								
Humanities General Education courses				Program Elective courses								
HIST105	U.S. History I	3	<input type="checkbox"/>	AMSL101	American Sign Language I	3	<input type="checkbox"/>					
HIST106	U.S. History II	3	<input type="checkbox"/>	CDEV272	Music & Art in Early Childhood Education	3	<input type="checkbox"/>					
ENGL203	American Literature I	3	<input type="checkbox"/>	EDUC202	Historical & Philosophical Patterns in Education	3	<input type="checkbox"/>					
ENGL204	American Literature II	3	<input type="checkbox"/>	SOCA215	Perspectives on Race, Gender, Class and Culture	3	<input type="checkbox"/>					
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>	TOTAL PROGRAM				60				
HUMN102	Survey of World Culture II	3	<input type="checkbox"/>	TOTAL PROGRAM				60				

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

CHILD DEVELOPMENT SPECIALIST CERTIFICATE



PROGRAM DESCRIPTION:

This program prepares students for employment in child care centers and preschools as group teachers and assistant teachers working under the supervision of head teachers.

Upon completion of this program, graduates will be able to:

- Use theories and knowledge of growth and development to understand the multiple influences that promote child development and learning.
- Build relationships with families and the community to create a respectful and reciprocal community of learning to support children and families.
- Support young children through the use of observation, documentation, and assessment techniques and strategies.
- Create, implement and evaluate effective early childhood curricula while implementing the philosophy of developmentally appropriate practices.
- Exhibit characteristics of an early childhood professional by following the National Association for the Education of Young Children (NAEYC) ethical guidelines, participating in professional organizations and professional development, and advocating for children and families.
- Program Goals are based on NAEYC Associate Degree Program Standards.

CHILD DEVELOPMENT SPECIALIST CERTIFICATE

FALL SEMESTER 1st YEAR

		Credit Hours	<input checked="" type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
CDEV101	Introduction to Early Childhood Education	3	<input type="checkbox"/>
CDEV150	Language Development & Language Arts in Early Childhood Education (FA)	3	<input type="checkbox"/>
CDEV270	Curriculum Studies in Early Childhood Education (FA)	3	<input type="checkbox"/>
EDUC202 or EDUC275	Historical & Philosophical Patterns in Education Or Working with Special Needs Children in Early Childhood	3	<input type="checkbox"/>

TOTAL FALL SEMESTER **15**

WINTER SESSION 1st YEAR

SPRING SEMESTER 1st YEAR

		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
PSYC111	Child Psychology	3	<input type="checkbox"/>
CDEV160	Child Health & Nutrition (SP)	3	<input type="checkbox"/>
CDEV260	Methods of Teaching Infants & Toddlers (SP)	3	<input type="checkbox"/>
CDEV280	Child Care Internship	3	<input type="checkbox"/>

TOTAL SPRING SEMESTER **15**

SUMMER SESSION 1st YEAR

TOTAL PROGRAM **30**

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

COMMUNICATIONS/BROADCASTING OPTION

A.A. - LIBERAL ARTS



PROGRAM DESCRIPTION:

The Broadcasting Option is designed to empower students with the proper skills and knowledge to seek careers in the many phases of the media industry including television and film, radio and audio production, broadcast journalism and video production. In addition, students are prepared for enrollment into four-year

institutions. Students acquire the technical knowledge supported by a strong basis in theory and creativity. They prepare for entry-level positions as directors, camera operators, composers, audio engineers, writers and on-air talent within the industry. The Broadcasting option provides graduates with real world experience through the facilities of EDTV20 the College's educational broadcast facility and our web-based radio station.

Production classes are hands-on, involving state-of-the-art studio and field audio and video production equipment, control room operation, sophisticated high end digital video editing, lighting for video and film, writing, producing and directing. This course of study will prepare students to utilize their learned technical skills to apply the theoretical and creative communications knowledge to sound and screen.

Upon completion of this program, graduates will be able to:

- Achieve entry-level competence for a position in cable television, professional commercial broadcast facilities, and commercial industrial instructional and web based video and audio production facilities.
- Create short program segments and shows for cable television.
- Write, produce, direct, and edit news and segments of a variety of television and radio programs.
- Write, produce and edit radio and television commercials.
- Perform all competencies of on-air talent in news, sports broadcasting, and interviewing.
- Produce and broadcast live and tape delay sporting events.
- Operate efficiently all video and audio production equipment.

COMMUNICATIONS/BROADCASTING OPTION

A.A. - LIBERAL ARTS

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
COMM101	Introduction to Mass Communications	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
GMSC000	Math/Science Gen Ed Requirement	3	<input type="checkbox"/>
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
COMM130	Television Production I	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

Philosophy General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Philosophy General Education courses in the College catalog.			
PHIL110	Philosophy and the Meaning of Life	3	<input type="checkbox"/>

Humanities & Technology General Education courses: Choose from the list of approved General Education courses in the College catalog.

History General Education courses			
Recommended courses listed below but student can also choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.			
HIST101	History of Western Civilization I	3	<input type="checkbox"/>
HIST102	History of Western Civilization II	3	<input type="checkbox"/>

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
COMM203	Writing for the Media	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
COMM205	Radio and TV Performance	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM **60**

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Social Science General Education courses in the College catalog.			
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Math/Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Math and Science General Education courses in the College catalog.			
MATH104	Contemporary Mathematics	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
PHYS107	Introduction to Meteorology	4	<input type="checkbox"/>
BIOS108	Introduction to Environmental Science	4	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

COMMUNICATIONS/FILM STUDIES OPTION

A.A. - LIBERAL ARTS



PROGRAM DESCRIPTION:

As a popular art form, film is a prominent medium in our society. Students invest a great deal of time and money enjoying a medium that is capable of shaping audiences' cultural lives. The academic rationale for the Film Studies Option is to combine creative and critical thinking. As a result, students will receive a rigorous understanding of film criticism, screenwriting, and filmmaking. Film Studies will investigate the psychological, social, technical, and critical aspects of this medium, particularly focusing on how the medium can manipulate audiences.

Film Studies completes and complements the existing Communications Options in Journalism and Broadcasting. It is designed to be interdisciplinary in nature, drawing on the combined skills of professors from the Journalism, Broadcasting, and Fine Arts options.

Other courses in the program will include "Cinematography," "Writing for the Media," and "Critical Analysis of the Cinema," a course which has been running for nearly a decade and which has enjoyed a 100 percent transfer record to Rutgers, Montclair, and William Paterson universities, to name only a few four-year institutions.

Upon completion of this program, graduates will be able to:

- Demonstrate an understanding of the cultural, social and political impact of film on contemporary society.
- Demonstrate an understanding of the technical and creative aspects of film.
- Exhibit an understanding of the history of cinematography.
- Demonstrate an understanding of the film industry in relation to journalism, broadcasting, and the fine arts.
- Strengthen and enhance the ability of individuals to write and think critically about the art of film in its cultural context.

COMMUNICATIONS/FILM STUDIES OPTION

A.A. - LIBERAL ARTS

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
COMM101	Introduction to Mass Communications	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENG201	Effective Speaking	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
COMM230	Critical Analysis and Survey of the Cinema	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
GMSC000	Math/Science Requirement	3	<input type="checkbox"/>
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
COMM223	The Gothic in Literature and the Cinema	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
COMM132	Cinematography	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Philosophy General Education courses (Recommended)

Recommended courses listed below but student can also choose from the list of approved Philosophy General Education courses in the College catalog.

PHIL110	Philosophy and the Meaning of Life	3	<input type="checkbox"/>
---------	------------------------------------	---	--------------------------

Humanities & Technology General Education courses

Choose from the list of approved Technology General Education courses in the College catalog.

History General Education courses

Recommended courses listed below but student can also choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.

HIST101	History of Western Civilization I	3	<input type="checkbox"/>
HIST102	History of Western Civilization II	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)

Recommended courses listed below but student can also choose from the list of approved Social Science General Education courses in the College catalog.

PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Math/Science General Education courses (Recommended)

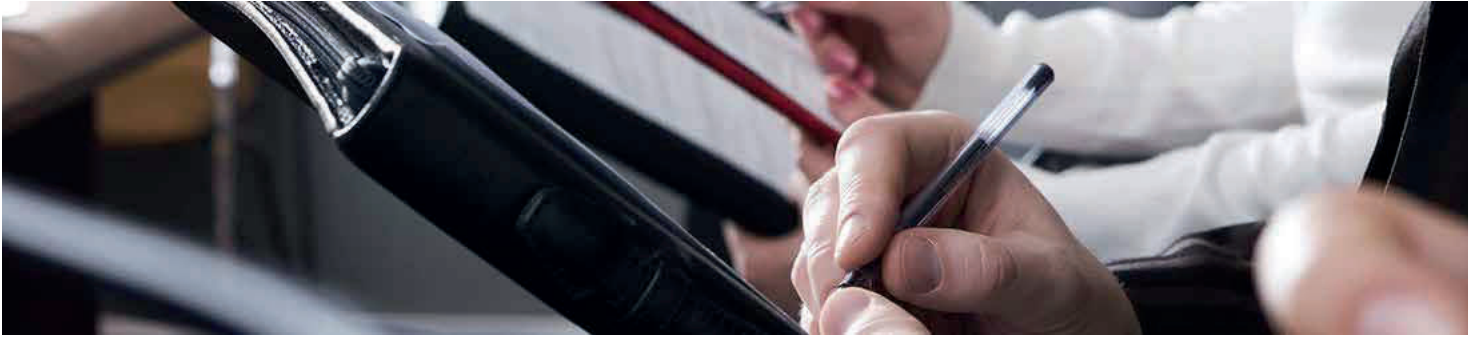
Recommended courses listed below but student can also choose from the list of approved Math and Science General Education courses in the College catalog.

MATH104	Contemporary Mathematics	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
PHYS107	Intro to Meteorology	4	<input type="checkbox"/>
BIOS108	Intro to Environmental Science	4	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

COMMUNICATION/JOURNALISM OPTION

A.A. - LIBERAL ARTS



PROGRAM DESCRIPTION:

This associate degree program prepares students for transfer to a four-year college with a major in Journalism and/or Communications. The Journalism major can also serve as a basis for careers in newspapers, magazines, radio and television stations, websites, as well as public relations, advertising, and marketing departments and organizations. Students are given the opportunity to contribute to and work on SCCC publications such as the College Hill News.

Upon completion of this program, graduates will be able to:

- Communicate with speed and accuracy.
- Understand how to interpret source's information and quotes.
- Know how to use appropriate and trustworthy background information.
- Write according to style guide dictates.
- Compose with grammatical and mechanical precision.
- Distinguish among gossip, hearsay, innuendo, insinuation, and prediction.
- Adapt communicating styles to suit the particular demands of any medium.

COMMUNICATION/JOURNALISM OPTION

A.A. - LIBERAL ARTS

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
COMM101	Introduction to Mass Communications	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
POLS101	Introduction to Political Science	3	<input type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
ENGL215	Journalism I	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
GMSC000	Math/Science Gen Ed Requirement	3	<input type="checkbox"/>
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
PHOT220	Photojournalism	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
ENGL217	Journalism II	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Philosophy General Education courses (Recommended)		
Recommended courses listed below but student can also choose from the list of approved Philosophy General Education courses in the College catalog.		
PHIL110	Philosophy and the Meaning of Life	3 <input type="checkbox"/>

Social Science General Education courses (Recommended)		
Recommended courses listed below but student can also choose from the list of approved Social Science General Education courses in the College catalog.		
POLS105	American Government	3 <input type="checkbox"/>

Technology & Humanities General Education courses		
Choose from the list of approved courses in the College catalog.		

History General Education courses		
Recommended courses listed below but student can also choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.		
HIST101	History of Western Civilization I	3 <input type="checkbox"/>
HIST102	History of Western Civilization II	3 <input type="checkbox"/>

Math/Science General Education courses (Recommended)		
Recommended courses listed below but student can also choose from the list of approved Math and Science General Education courses in the College catalog.		
MATH104	Contemporary Mathematics	3 <input type="checkbox"/>
MATH105	Technical Mathematics	3 <input type="checkbox"/>
MATH108	Statistics	3 <input type="checkbox"/>
PHYS107	Intro to Meteorology	4 <input type="checkbox"/>
BIOS108	Intro to Environmental Science	4 <input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

COMPUTER INFORMATION SYSTEMS A.A.S.



PROGRAM DESCRIPTION:

This program is structured to provide fundamental knowledge of information technology and the skills necessary to succeed in today's business environment. This degree is not for transfer. The program is designed to prepare students for entry-level positions in business, industry, government and not-for-profit organizations.

Upon completion of this program, graduates will be able to:

- Demonstrate the ability to solve technical problems related to hardware and software.
- Demonstrate an understanding of operating systems.
- Develop effective communication skills within an organization.
- Demonstrate the ability to work both individually and as a team member.
- Exhibit professionalism and ethical behavior.
- Adapt to advancements in the area technology.

COMPUTER INFORMATION SYSTEMS A.A.S.

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS113	Introduction to Information Systems	3	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ECON101	Macroeconomics	3	<input type="checkbox"/>
COMS115	Introduction to Computer Science II	3	<input type="checkbox"/>
COMS218	Database Management Systems (FA)	3	<input type="checkbox"/>
COMS000	Program Electives	6	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
COMS114	Introduction to Computer Science I	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
COMS230	Networks and Telecommunications (SP)	3	<input type="checkbox"/>
COMS155	Web Site Development I	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
COMS210	Systems Analysis and Design (SP)	3	<input type="checkbox"/>
COMS000	Program Electives	9	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
HIST101	History of Western Civilization I	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Elective courses (Recommended)			
Recommended courses listed below but student can also choose from any COMS course.			
COMS120	Computer Software Applications	3	<input type="checkbox"/>
COMS221	Operating Systems (FA)	3	<input type="checkbox"/>
COMS225	Computer Aided Design	3	<input type="checkbox"/>
COMS239	Fundamentals of Computer Architecture (SP)	3	<input type="checkbox"/>
COMS240	Computer Information Systems Internship	3	<input type="checkbox"/>

COMPUTER INFORMATION SYSTEMS CERTIFICATE



PROGRAM DESCRIPTION:

This program is structured to provide fundamental knowledge of information technology and the skills necessary to succeed in today's business environment. This degree is not for transfer. The program is designed to prepare students for entry-level positions in business, industry, government and not-for-profit organizations.

Upon completion of this program, graduates will be able to:

- Demonstrate the ability to solve technical problems related to hardware and software.
- Demonstrate an understanding of operating systems.
- Develop effective communication skills within an organization.
- Demonstrate the ability to work both individually and as a team member.
- Exhibit professionalism and ethical behavior.
- Adapt to advancements in the area technology.

COMPUTER INFORMATION SYSTEMS CERTIFICATE

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
COMS113	Introduction to Information Systems	3	<input type="checkbox"/>
COMS114	Introduction to Computer Science I	3	<input type="checkbox"/>
ECON101	Macroeconomics	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ACCT101	Accounting Principles I	3	<input type="checkbox"/>
CERT000	Certificate Electives	9	<input type="checkbox"/>
MATH106 or MATH110	Mathematical Concepts or Pre-Calculus I*	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

TOTAL PROGRAM	30
----------------------	-----------

Certificate Electives Recommended			
COMS115	Introduction to Computer Science II	3	<input type="checkbox"/>
COMS120	Computer Software Applications	3	<input type="checkbox"/>
COMS210	Systems Analysis & Design	3	<input type="checkbox"/>
COMS218	Database Management Systems	3	<input type="checkbox"/>
COMS221	Operating Systems	3	<input type="checkbox"/>
COMS230	Networks & Telecommunications	3	<input type="checkbox"/>
COMS239	Fundamentals of Computer Architecture	3	<input type="checkbox"/>
COMS240	Computer Information Systems Internship	3	<input type="checkbox"/>

***Recommended for students planning to enter the degree program.**

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

COMPUTER SCIENCE OPTION

A.S. - Science/Mathematics



PROGRAM DESCRIPTION:

The Computer Science program is designed for students who wish to pursue a Bachelor's degree at a four-year institution, majoring in Computer Science or related field.

Upon completion of this program, graduates will be able to:

- Demonstrate the ability solve problems, conduct research and think critically.
- Exhibit an understanding of computer architecture.
- Utilize the proper data structures and algorithms with sound programming techniques.
- Demonstrate an understanding of the mathematical concepts utilized in algorithms.
- Develop effective communication skills within an organization.
- Demonstrate the ability to work both individually and as a team member.
- Exhibit professionalism and ethical behavior.
- Adapt to advancements in the area of information technology.

COMPUTER SCIENCE OPTION

A.S. - Science/Mathematics

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS114	Introduction to Computer Science I	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
GHUM000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
MATH114	Calculus II	4	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
COMS221	Operating Systems (FA)	3	<input type="checkbox"/>
COMS218	Database Management Systems (FA)	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		14	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
MATH113	Calculus I	4	<input type="checkbox"/>
COMS115	Introduction to Computer Science II	3	<input type="checkbox"/>
COMS239	Fundamentals of Computer Architecture (SP)	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		16	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
MATH201 or MATH213	Discrete Mathematics or Calculus III	4	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
COLL208	Capstone for Computer Science	1	<input type="checkbox"/>
COMS210	Systems Analysis and Design (SP)	3	<input type="checkbox"/>
COMS223	Data Structures (SP)	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities General Education courses (Recommended)		
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.		
HIST101	History of Western Civilization I	3 <input type="checkbox"/>

Social Science General Education courses (Recommended)		
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.		
ECON101	Macroeconomics	3 <input type="checkbox"/>
ECON102	Microeconomics	3 <input type="checkbox"/>

Science General Education courses (Recommended)		
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.		
PHYS110	Physics I	4 <input type="checkbox"/>
PHYS112	Physics II	4 <input type="checkbox"/>
PHYS120	Physics I with Calculus	4 <input type="checkbox"/>
PHYS121	Physics II with Calculus	4 <input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

COMPUTERIZED ACCOUNTING CERTIFICATE



PROGRAM DESCRIPTION:

This program provides students with knowledge and practical experience in accounting principles and the management of these principles through software package options. Students will learn financial and managerial accounting methods through the automated General Ledger function.

Upon completion of this program, graduates will be able to:

- Apply for entry-level employment in bookkeeping and accounting clerk positions.
- Analyze, journalize, and post transactions both manually and using computerized accounting software.
- Maintain a computerized accounting system.
- Create spreadsheets using electronic spreadsheet programs to be used in the planning and developing of budgets, cash flows, financial statements, and other business records.
- Maintain payroll records and comply with federal and state reporting requirements.
- Prepare the following financial statements: Income Statement, State of Retained Earnings, Balance Sheet, and Statement of Cash Flow.

COMPUTERIZED ACCOUNTING CERTIFICATE

SUMMER SESSION 1ST YEAR		Credit Hours	<input checked="" type="checkbox"/>
ACCT101	Accounting Principles I – Financial	3	<input type="checkbox"/>
TOTAL SUMMER SESSION		3	

FALL SEMESTER 1ST YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
ACCT102	Accounting Principles II – Managerial	3	<input type="checkbox"/>
ACCT107	Computerized Accounting (FA)	3	<input type="checkbox"/>
ACCT205	Payroll Accounting (FA)	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1ST YEAR		Credit Hours	<input checked="" type="checkbox"/>
SPRING SEMESTER 1ST YEAR			
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
BUSA190	Business Applications using Electronic Spreadsheets (SP)	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		12	
TOTAL PROGRAM		30	

Social Science General Education courses: Choose from the list of approved General Education courses in the College catalog.

Math General Education courses (Recommended)

MATH106	Mathematical Concepts	3	<input type="checkbox"/>
MATH110	Pre-Calculus I	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

COSMETOLOGY OPTION

A.A.S. - Technical Studies



PROGRAM DESCRIPTION:

The Cosmetology program prepares students to become the creative, well-trained professionals demanded by today's beauty industry. This exciting program offers training in all aspects of professional cosmetology, from skin, nails, hair design and sculpting to advanced coloring. Complete barbering skills with up to date cuts, including fades and straight blade shape ups are part of the curriculum. Students will explore salon operations, marketing and retail, hygiene and communication skills in this lecture and "hands-on" training program. After the first two semesters, students can qualify for a New Jersey State Student Permit, which will allow students to start as an entry-level stylist. Committed students can qualify to take the New Jersey Board licensing examinations in Cosmetology upon completion of the program. Our cutting edge curriculum and learning community will keep students engaged while building the technical skills and expertise needed to be successful.

Upon completion of this program, graduates will be able to:

- Perform hair care services for all types of hair including hair analysis, cutting, styling, coloring and lightening, permanent waving and chemical relaxing.
- Perform barbering services with up to date cuts, including fades and straight blade shape ups.
- Perform nail services including manicuring and pedicuring.
- Perform basic skin care services including skin analysis, facials, makeup application and superfluous hair removal.
- Exhibit knowledge of decontamination control, public hygiene and special sanitation procedures used for the protection of the client and the operator.
- Demonstrate customer service skills, self-growth and personal development.
- Perform salon business such as front desk operations, dispensary inventory and loss prevention, resume building and interviewing skills, self-marketing and basic knowledge of starting a salon business.
- Demonstrate critical thinking and communication skills.
- Possess the necessary skills to pass the New Jersey State licensure written and practical exams required for a professional license to work in the Cosmetology industry.

COSMETOLOGY OPTION

A.A.S. - Technical Studies

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COSM101	Principles and Procedures of Cosmetology I	7	<input type="checkbox"/>
COSM105	Principles and Procedures of Cosmetology II	7	<input type="checkbox"/>
TOTAL FALL SEMESTER		17	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing and Communication I	3	<input type="checkbox"/>
COSM115	Practical Applications I	4	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		13	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
COSM108	Principles and Procedures of Cosmetology III	7	<input type="checkbox"/>
COSM110	Science and Ethics for Cosmetology	7	<input type="checkbox"/>
TOTAL SPRING SEMESTER		17	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
COSM201	Practical Applications II	4	<input type="checkbox"/>
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>
GNED000	General Education Requirement	6	<input type="checkbox"/>
TOTAL SPRING SEMESTER		13	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM

60

Humanities/Social Science General Education Requirements: Choose from the list of approved courses in the College catalog

Technical Studies Core or Technical Studies Required Courses (Recommended)

Technical Studies credits may be earned for corporate, industrial, or military training programs after review by a faculty assessor of related program. Individuals without sufficient technical training experience must select courses in one of the programs/options listed below to satisfy the Technical Studies credit requirements. All courses should be selected with assistance from a faculty advisor.

BUSA120	Small Business Management	3	<input type="checkbox"/>
---------	---------------------------	---	--------------------------

Technology General Education courses (Recommended)

Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
---------	----------------------------------	---	--------------------------

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

CRIMINAL JUSTICE A.S.



PROGRAM DESCRIPTION:

This program is designed primarily for students who plan to attend four-year baccalaureate programs, but approximately one-half of the graduates of this program have successfully found full-time employment in criminal justice-related field upon completion of the two-year degree. Graduates of two and four-year degree programs are employed in a variety of professional positions by federal, state, county, and municipal agencies as well as private security and loss prevention.

Upon completion of this program, graduates will be able to:

- Students will learn the major concepts, case law, theoretical perspectives, empirical findings and basic structures involved with law enforcement, the criminal court system, and corrections, including the causes of crime and delinquency.
- Students will understand and be able to use basic research methods in criminal justice and criminology including design, data analysis, and interpretation.
- Students will obtain realistic ideas and field experiences related to their pursuit of careers and advanced study in the field of criminal justice.
- Students will demonstrate research and information competency with traditional computer-based library systems, governmental resources, and media outlets to facilitate the study of criminal justice and criminology.
- Students will use and demonstrate critical thinking, skeptical inquiry, and the scientific approach to problem solving.
- Students will learn to recognize, understand, and respect the complexity of sociocultural and international diversity to better prepare them for diverse people and ideas within criminal justice.
- Students will demonstrate effective oral and written communication skills within a liberal arts foundation to better prepare them for any career in criminal justice.

CRIMINAL JUSTICE A.S.

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	
MATH104	Contemporary Mathematics	3	<input type="checkbox"/>	
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>	
CRJS100	Introduction to the Criminal Justice System	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		15		

FALL SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
HIST105	U.S. History I	3	<input type="checkbox"/>	
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>	
CRJS105	Criminology	3	<input type="checkbox"/>	
CRJS000	Program Electives	6	<input type="checkbox"/>	
TOTAL FALL SEMESTER		15		

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>	
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>	
CRJS101	Law Enforcement	3	<input type="checkbox"/>	
CRJS110	Criminal Law	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

SPRING SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
HIST106	U.S. History II	3	<input type="checkbox"/>	
GLCA001	Global & Cultural Awareness Gen Ed Requirement	3	<input type="checkbox"/>	
CRJS180	Corrections	3	<input type="checkbox"/>	
CRJS000	Program Electives	6	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Science General Education courses			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
BIOS122	Introduction to Environmental Science	4	<input type="checkbox"/>
CHEM107	Forensic Science	4	<input type="checkbox"/>

Global & Cultural Awareness General Education courses			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
PSYC237	Multicultural Psychology	3	<input type="checkbox"/>
SOCA215	Perspectives on Race, Gender, Class & Culture	3	<input type="checkbox"/>

Electives
Choose any CRJS course designation except CRJS120, 121, 122 & 123.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

CULINARY

A.A.S. - Technical Studies



PROGRAM DESCRIPTION:

The Culinary Option is designed for students who are interested in becoming a professional chef or obtaining skills for a career in the culinary industry. Student success is a priority in this student-focused program offering a comprehensive curriculum and actual practice in all aspects of the culinary arts. Emphasis will be on the technical and management skills needed to work in restaurants and foodservice operations. Students will have the opportunity to apply and practice skills acquired in a real-world environment. This program provides a solid foundation for a great and exciting culinary career.

Upon completion of this program, graduates will be able to:

- Demonstrate proficiency in basic industry terminology.
- Practice standards in behavior, grooming, dress, and safety that reflect the mature work attitude expected of an industry professional.
- Maintain high standards of sanitation and food safety as established by the ServSafe® program.
- Develop skills in knife, tool and equipment handling and care, apply principles of food preparation to produce a variety of food products.
- Demonstrate the overall concept of purchasing and receiving practices in quality food service operations.
- Demonstrate the ability to convert, weigh and measure recipes.
- Describe the characteristics, functions, and food sources of the major nutrients and maximize nutrient retention in menu planning, food preparation, and storage.
- Develop skills in the fabrication, portioning and yield costing of protein products.
- Demonstrate proficiency techniques preparation and presentation of baking and pastry.
- Demonstrate quality customer service including supervisory management, dining room service, guest service, working with others and multi-tasking.
- Apply the principles of menu planning, development, and execution.
- Communicate clearly and professionally, both verbally and in writing.
- Demonstrate creativity and problem-solving skills, based on operational theory and procedures.
- Demonstrate an understanding of organizational structures within hospitality and foodservice establishments.

CULINARY

A.A.S. - Technical Studies

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
HOST101	Introduction to Hotel, Restaurant and Institutional Management	3	<input type="checkbox"/>
CULA103	Food Service Sanitation	1	<input type="checkbox"/>
CULA105	Basic Culinary Skills (FA)	3	<input type="checkbox"/>
CULA107	Food Principles (FA)	3	<input type="checkbox"/>
CULA110	Meat Fabrication for Culinarian (FA)	3	<input type="checkbox"/>
CULA118	Garde Manger (FA)	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing and Communication I	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>
CULA202	Italian Cuisine (FA)	3	<input type="checkbox"/>
CULA210	International Cuisine (FA)	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
CULA122	Basic Baking (SP)	3	<input type="checkbox"/>
CULA135	Advanced Baking and Pastry (SP)	3	<input type="checkbox"/>
CULA140	Breakfast and Lunch Cookery (SP)	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
HOST280	Hospitality & Culinary Arts Internship	2	<input type="checkbox"/>
TOTAL SPRING SEMESTER		14	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
GNED000	General Ed Education Elective	3	<input type="checkbox"/>
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>
CULA235	Classical French Cuisine (SP)	3	<input type="checkbox"/>
CULA255	North American Cuisine (SP)	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities or Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
HUMN101	Survey of World Cultures II	3	<input type="checkbox"/>

Technology General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>

General Education Elective courses			
Courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
BUSA120	Small Business Management (SP)	3	<input type="checkbox"/>
HOST108	Hotel and Restaurant Operations (SP)	3	<input type="checkbox"/>
HOST136	Hospitality Marketing (FA)	3	<input type="checkbox"/>
HOST201	Food and Beverage Management (SP)	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

CULINARY Certificate



PROGRAM DESCRIPTION:

The Culinary Certificate program is an intensive one-year certificate program that prepares students for food service positions in the hospitality field.

A mix of class and lab study, students leave the program with a solid understanding of food preparation and service, cultural and culinary trends, menu preparation, equipment usage, safety and sanitation procedures, and customer service and leadership skills.

Students in the program will learn the use and care of commercial kitchen equipment, high standards of sanitation and food safety, proficiency in techniques of baking and pastry and skills in knife, tool and equipment handling. They must apply the principles of food preparation to produce a variety of food products.

Upon completion of this program, graduates will be able to:

- Demonstrate proficiency in basic industry terminology.
- Practice standards in behavior, grooming, dress, and safety that reflect the mature work attitude expected of an industry professional.
- Maintain high standards of sanitation and food safety as established by the ServSafe® program.
- Develop skills in knife, tool and equipment handling and care, apply principles of food preparation to produce a variety of food products.
- Demonstrate the overall concept of purchasing and receiving practices in quality foodservice operations.
- Demonstrate the ability to convert, weigh and measure recipes.
- Describe the characteristics, functions, and food sources of the major nutrients and maximize nutrient retention in menu planning, food preparation, and storage.
- Develop skills in the fabrication, portioning and yield costing of protein products.
- Demonstrate proficiency techniques preparation and presentation of baking and pastry.
- Demonstrate quality customer service including supervisory management, dining room service, guest service, working with others and multi-tasking.
- Apply the principles of menu planning, development, and execution.
- Communicate clearly and professionally, both verbally and in writing.
- Demonstrate creativity and problem-solving skills, based on operational theory and procedures.
- Demonstrate an understanding of organizational structures within hospitality and foodservice establishments.

CULINARY Certificate

FALL SEMESTER 1st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>	
CULA103	Food Service Sanitation	1	<input type="checkbox"/>	
CULA105	Basic Culinary Skills (FA)	3	<input type="checkbox"/>	
CULA110	Meat Fabrication for Culinarian (FA)	2	<input type="checkbox"/>	
CULA107	Food Principles (FA)	3	<input type="checkbox"/>	
CULA118	Garde Manger (FA)	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER			15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1st YEAR			Credit Hours	<input checked="" type="checkbox"/>
GNED000	General Education Elective	3	<input type="checkbox"/>	
CULA122	Basic Baking (SP)	3	<input type="checkbox"/>	
CULA130	Charcuterie (SP)	3	<input type="checkbox"/>	
CULA135	Advanced Baking And Pastry (SP)	3	<input type="checkbox"/>	
CULA140	Breakfast & Lunch Cookery (SP)	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			15	

SUMMER SESSION 1st YEAR

TOTAL PROGRAM	30
----------------------	-----------

General Education Elective*

Choose from the list of approved General Education courses listed in the College catalog.

(FA) Fall & (SP) Spring - Only offered

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

DIESEL SERVICE TECHNOLOGY

A.A.S. - Technical Studies



PROGRAM DESCRIPTION:

The Diesel Service Technology program gives the students an opportunity to gain a broader knowledge and to achieve a higher skill level in Diesel Service Technology than is offered in other one-year certificate programs. There is also a general education component integrated into the program to satisfy demands for appropriate workforce skills. Upon completing the A.A.S. degree program, students have the necessary skills to become employed as an entry-level Diesel Service Technicians.

Upon completion of this program, graduates will be able to:

- Employ safety skills in an industrial maintenance facility setting.
- Demonstrate professionalism with attitude, conduct and ethical work practices.
- Evaluate, diagnose, and repair various Diesel systems.
- Identify specifications related to the inspection, repair, and adjustment of Diesel systems.
- Use various test equipment to diagnose and repair defects.
- Apply basic electrical theory using wiring diagrams and schematics to diagnose and repair Diesel electrical circuits.
- Explain the operation of, and perform service on, automatic and manual transmissions, axles, and differentials.
- Analyze defects of Diesel air conditioning and climate control systems and identify necessary preventative maintenance or corrective repairs.
- Discuss the theory of alignment, braking, suspension and steering systems, problem diagnosis and correction of braking, suspension, steering, and alignment problems

DIESEL SERVICE TECHNOLOGY

A.A.S. - Technical Studies

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
DESL102	Diesel Engines	3	<input type="checkbox"/>
TSC000 OR DESL000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TSC000 OR DESL000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>
DESL104	Brake Systems	3	<input type="checkbox"/>
DESL107	Heating & Air Conditioning Systems	3	<input type="checkbox"/>
GNED000	General Education Elective	3	<input type="checkbox"/>
TSC000 OR DESL000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing & Communication I	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
DESL103	Diesel Drivetrain	3	<input type="checkbox"/>
DESL106	Electrical Systems	3	<input type="checkbox"/>
GNED000	General Education Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
DESL105	Steering and Suspension	3	<input type="checkbox"/>
TSC000 OR DESL000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TSC000 OR DESL000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TSC000 OR DESL000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TSC000 OR DESL000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Technical Studies Core or Program Electives Courses (Recommended)			
Technical Studies credits may be earned for corporate, industrial, or military training programs after review by a faculty assessor of related program. In addition to the recommended courses, individuals without sufficient technical training experience can select courses in one of the programs/options listed below to satisfy the Technical Studies and Program Elective credit requirements. All courses should be selected with assistance from a faculty advisor.			
AOTE101	Automotive Fundamentals	3	<input type="checkbox"/>
AOTE110	Automotive Electrical Systems	3	<input type="checkbox"/>
AOTE130	Steering and Suspension	3	<input type="checkbox"/>
AOTE204	Manual Transmissions and Drivelines	3	<input type="checkbox"/>
AOTE208	Advanced Automotive Electronics	3	<input type="checkbox"/>
DESL262	Service Center Internship	3	<input type="checkbox"/>
WELD105	Print Reading and Welding Symbols	3	<input type="checkbox"/>
WELD110	Thermal Cutting & Oxyfuel Welding	3	<input type="checkbox"/>
WELD115	Shielded Metal Arc Welding I	3	<input type="checkbox"/>

Technology General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>

Select courses from one of the following programs(P)/options(O) – (Courses must be approved by appropriate faculty advisor):			
Automotive Service Technology (P)	Engineering Science (O)		
Business Management (P)	Machine Tool Technology(O)		
Computer Information Systems (P)	Welding Technology (O)		

Humanities/Social Science Gen Ed Requirement: Choose from the list of approved courses listed in the College catalog.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

DIGITAL FORENSICS OPTION A.A.S.



PROGRAM DESCRIPTION:

This program is designed as a terminal degree and prepares students for immediate entry into a career. This program provides students with fundamental business knowledge and prepares them for careers in the forensic science to work for computer companies, consulting firms, business, financial companies, government, retail and not-for-profit organizations.

Upon completion of this program, graduates will be able to:

- Obtain entry-level and supervisory careers in the cyber industry, networking and security, systems development and management, government, retail or not-for-profit organizations.
- Analyze contemporary business problems and propose effective solutions using case studies and SWOT analysis (strengths, weaknesses, opportunities and threats).
- Identify ethical and unethical business behaviors and explain the impact of each type of behavior on an organization's stakeholders (i.e., customers, competitors, investors, creditors, government regulators, employees, etc.).
- Design and deliver effective oral presentations as commonly used in contemporary business environments.

DIGITAL FORENSICS OPTION A.A.S.

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS113	Introduction to Information Systems	3	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
CYBR100	Introduction to Cyber Crime	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ECON101	Macroeconomics	3	<input type="checkbox"/>
COMS115	Introduction to Computer Science II	3	<input type="checkbox"/>
COMS218	Database Management Systems	3	<input type="checkbox"/>
COMS221	Operating Systems	3	<input type="checkbox"/>
CYBR103	Digital Forensics II	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
COMS114	Introduction to Computer Science I	3	<input type="checkbox"/>
CYBR101	Digital Forensics I	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd Year		Credit Hours	<input checked="" type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
COMS210	Systems Analysis and Design	3	<input type="checkbox"/>
COMS230	Networks and Telecommunications	3	<input type="checkbox"/>
CYBR102	Cyber Law	3	<input type="checkbox"/>
CRJS210	Criminal Investigation	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

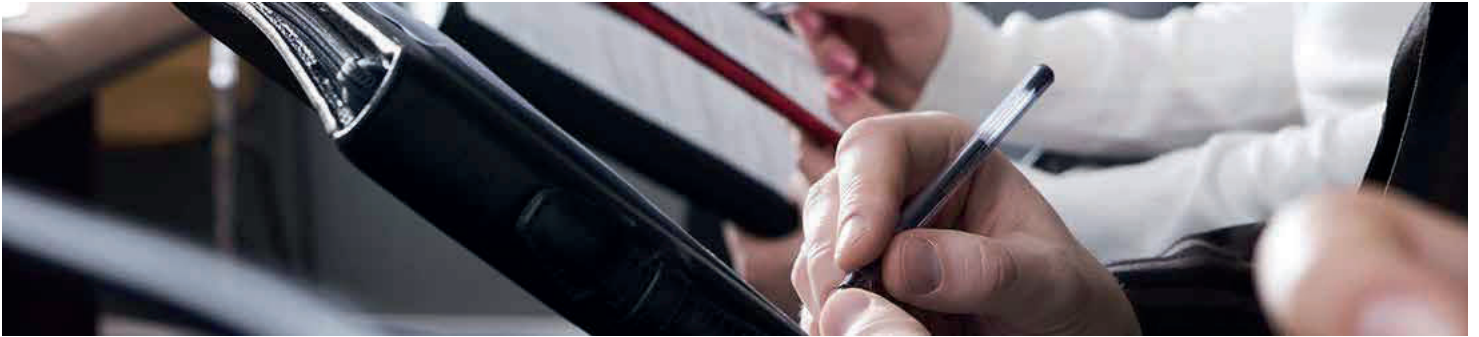
TOTAL PROGRAM **60**

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
HIST101	History of Western Civilization I	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

DIGITAL JOURNALISM

Certificate



PROGRAM DESCRIPTION:

The Certificate in Digital Journalism prepares students to find employment in the media industry, or can benefit practicing journalists considering professional development. Students will focus on the use of the Internet and digital technology while exploring journalism fundamentals of reporting, writing, editing, and gain proficiency in Web content production, blogging, video production and editing, social media, and other developing trends.

The objectives of this program are to:

- Demonstrate skills necessary for work in public relations, media and communications organizations.
- Apply knowledge of ethical, legal and content issues to real-life situations concerning online journalism.
- Complete practical experiences as journalists, editors, photographers, video journalists, designers, and media professionals.

DIGITAL JOURNALISM Certificate

FALL SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS155	Website Development I	3	<input type="checkbox"/>
GRAD119	Theme and Templating Website I	3	<input type="checkbox"/>
GRAD128	Digital Imagery and Editing	3	<input type="checkbox"/>
COMM203	Writing for the Media	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL215	Journalism I	3	<input type="checkbox"/>
GRAD109	Understanding Social Media	3	<input type="checkbox"/>
GRAD142	Digital Typography and Color	3	<input type="checkbox"/>
PHOT220	Photojournalism	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

TOTAL PROGRAM	30
----------------------	-----------

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ELDER LAW SPECIALIST CERTIFICATE



PROGRAM DESCRIPTION:

The Elder Law Specialist Certificate encompasses all aspects of life planning for the elder population including illness, incapacity and death of the elderly. Elder Law Specialists may work independently on issues that do not require attorney supervision. This work may include: life enhancement assistance, analysis of housing choices, organizational assistance, preparation of valuation materials for real and personal property appraisals and funeral planning.

Upon completion of this program, graduates will be able to:

- The specific job tasks of an Elder Law Specialist depend on whether the Elder Law Specialist is working under the supervision of an attorney. Depending on the law office, the following tasks might be performed under the direct supervision of an attorney.

These law firm tasks include:

- Interview prospective clients
- Help plan strategy for legal services
- Visit elderly to review asset documents
- Review elder's current estate plan
- Consult and correspond with elder's creditors and debtors to obtain pertinent information
- Prepare valuation of assets and schedule appraisals of real and personal property
- Review bank statements, estate planning documents to determine status of estate
- Assist attorney in determining whether a guardianship and/or conservatorship is necessary
- Maintain case documents and progress chart and update clients on status
- Draft wills, trusts, powers of attorney, living wills, medical consents, deeds, other legal documents as needed
- Assist attorney with medical, Medicare, Medicaid, Social Security, insurance and banking issues
- Assist attorney in all aspects of the litigation process

The following tasks may be done by an Elder Law Specialist without direct supervision of an attorney:

- Assist elder client and his/her family with analysis of housing choices
- Assist elder client and his/her family with life enhancement assistance
- Assist elder client and his/her family with organizational assistance
- Assist elder client and his/her family with preparation of valuation of assets and schedule appraisals of real and personal property
- Assist elder client and his/her family with funeral planning

ELDER LAW SPECIALIST CERTIFICATE

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
LEGA100	Introduction to the American Legal System (FA&SP)	3	<input type="checkbox"/>
LEGA110	Estates and Trusts (FA)	3	<input type="checkbox"/>
LEGA105	Legal Research and Writing I (FA)	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	
WINTER SESSION 1 st YEAR			
SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COMS110	Computer Concepts and Applications	3	<input type="checkbox"/>
LEGA120	Family Law	3	<input type="checkbox"/>
LEGA230	Elder Law (SP)	3	<input type="checkbox"/>
PSYC215	Psychology of Adult Development and Aging (SP)	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		12	
SUMMER SESSION 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
LEGA115	Real Estate Transactions (SU)	3	<input type="checkbox"/>
TOTAL SUMMER SEMESTER		3	
TOTAL PROGRAM		30	

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ELECTRONIC MUSIC AND RECORDING OPTION

A.A.S. - TECHNICAL STUDIES



PROGRAM DESCRIPTION:

The Electronic Music degree combines areas of music and electronics in the musical and creative use of electronic production, sound design tools and technologies in this innovative program. Emphasis is on developing hands-on skills in modern electronic music technology, as well as how to use electronic instruments to manipulate sound and create music. Students will explore history, musicianship, theory, composition, and performance to develop an individual creative identity.

Upon completion of this program, graduates will be able to:

- Demonstrate knowledge of the history, cultural diversity and heritage of music.
- Acquire an appreciation of music and identify a personal aesthetic.
- Recognize music as art and a universal language with organization and structure.
- Identify and articulate the components of music composition.
- Perform music from a variety of genres showing the abilities of a professional.

ELECTRONIC MUSIC AND RECORDING OPTION

A.A.S. - TECHNICAL STUDIES

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
MUSC002*	Applied Music I	1	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	3	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	1	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	1	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	1	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing & Communication	3	<input type="checkbox"/>
MATH105	Technical Mathematics I	3	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	1	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	1	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	3	<input type="checkbox"/>
MUSC115	Electronic Music I	3	<input type="checkbox"/>
MUSC002*	Applied Music II	1	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
MUSC002*	Applied Music III	1	<input type="checkbox"/>
MUSC140	Electronic Music II	3	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	1	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	3	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		14	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
MUSC155	Live Sound Production	3	<input type="checkbox"/>
MUSC245	Electronic Music III	3	<input type="checkbox"/>
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	3	<input type="checkbox"/>
TSC000 or ELMR000	Technical Studies Core or Program Elective Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

TOTAL PROGRAM

60

Technical Studies Core or Program Electives Courses (Recommended)**			
Technical Studies credits may be earned for corporate, industrial, or military training programs after review by a faculty assessor of related program. In addition to the recommended courses, individuals without sufficient technical training experience can select courses in one of the programs/options listed below to satisfy the Technical Studies and Program Elective credit requirements. All courses should be selected with assistance from a faculty advisor.			
GRAD128	Digital Imagery and Editing	3	<input type="checkbox"/>
MUSC130 / MUSC121	Piano I or Voice I	1	<input type="checkbox"/>
MUSC105	Chorus I	1	<input type="checkbox"/>
MUSC106	Chorus II	1	<input type="checkbox"/>
MUSC109	History of Rock and Roll	3	<input type="checkbox"/>
MUSC110	Introductory Music Theory	3	<input type="checkbox"/>
MUSC111	Music Theory II	3	<input type="checkbox"/>
MUSC131 / MUSC122	Piano II or Voice II	1	<input type="checkbox"/>
MUSC230 / MUSC225	Piano III or Voice III	1	<input type="checkbox"/>
MUSC160	Introductory Aural Comprehension	1	<input type="checkbox"/>
MUSC214	Music Theory III	3	<input type="checkbox"/>
GRAD235	Video and Motion Graphics	3	<input type="checkbox"/>

Technology General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>

***Applied Music I, II & III – Course number varies based on student's primary instrument or voice. See College catalog for choices.**

General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
MUSC101	Music Appreciation	3	<input type="checkbox"/>

Humanities or Social Science General Education courses: Choose from the list of approved General Education courses in the College catalog.

**Select courses from one of the following programs(P)/options(O) (Courses must be approved by appropriate faculty advisor):			
Business Management (P)	Graphic Design (P)		
Computer Information Systems (P)	New Media Communications (P)		

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ELECTRICAL LINEMAN OPTION

A.A.S. - LIBERAL ARTS



PROGRAM DESCRIPTION:

The Electrical Lineman Program prepares individuals to build, repair, and maintain electrical power and distribution systems. Student training includes electrical systems, operations, safety, electrical distribution and equipment, basic electrical theory, and underground electrical construction operations. Practice in climbing, framing, building single and three-phase overhead lines, pole top and bucket rescue techniques, operating bucket trucks, and maintaining and repairing underground systems is covered.

Program Outcomes:

- Apply the National Safety Code.
- Demonstrate professional safety practices including first aid and CPR.
- Interpret trade specifications and drawings.
- Demonstrate expert climbing abilities.
- Demonstrate aerial rescue procedures.
- Operate tools and equipment according to equipment manuals and/or demonstrated in class.
- Install electrical structures such as poles and related equipment using proper specifications and accepted procedures.
- Install single and multiphase overhead and underground distribution systems using industry accepted methods and practices.
- Install fusing, lighting protection devices, transformers and related electrical equipment.
- Recognize faulty or damaged equipment and repair or replace.
- Keep accurate records such as work orders, equipment information and daily time sheets.
- Demonstrate professionalism and related soft skills.

ELECTRICAL LINEMAN OPTION

A.A.S. - LIBERAL ARTS

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH104	Contemporary Mathematics	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
EDUC000	Program Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
SOCA215	Perspectives on Race, Gender, Class and Culture	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
EDUC000	Program Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		16	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
EDUC291	Portfolio Development in Education	1	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
EDUC286	Principles and Practices of Teaching as a Profession (SP)	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		13	

SUMMER SESSION 1st YEAR

Philosophy General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Philosophy General Education courses in the College catalog.			
PHIL110	Philosophy and the Meaning of Life	3	<input type="checkbox"/>

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

History General Education courses			
Choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.			

Humanities & Technology General Education courses: Choose from the list of approved courses in the College catalog.

Science General Education courses (Recommended)			
Choose from the list of approved Science General Education courses in the College catalog.			
BIOS101	General Biology	4	<input type="checkbox"/>
BIOS122	Introduction to Environmental Science	4	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Social Science General Education courses in the College catalog.			
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Program Required Courses (choose two)			
CDEV101	Introduction to Early Childhood Education	3	<input type="checkbox"/>
EDUC202	Historical and Philosophical Patterns in Education (FA)	3	<input type="checkbox"/>
PSYC280	Educational Psychology	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ELEMENTARY/SECONDARY EDUCATION OPTION

A.A. - LIBERAL ARTS



PROGRAM DESCRIPTION:

The elementary/secondary option is designed for students interested in pursuing a bachelor's degree with teacher certification. The program is based on New Jersey teacher certification regulations and emulates the freshman and sophomore curriculum in four-year institutions, enabling student transfer to the four-year institutions.

Upon completion of this program, graduates will be able to:

- Demonstrate an understanding of child growth and development and relate it to learning opportunities in all domains of development.
- Display an awareness and appreciation for diversity and multi-culturalism and the interrelationship between families, school and society.
- Reflect on the multifaceted roles of a teacher and the principles and practices involved in teaching.

ELEMENTARY/SECONDARY EDUCATION OPTION

A.A. - LIBERAL ARTS

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH104	Contemporary Mathematics	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
EDUC000	Program Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
SOCA215	Perspectives on Race, Gender, Class and Culture	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
EDUC000	Program Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		16	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
EDUC291	Portfolio Development in Education	1	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
EDUC286	Principles and Practices of Teaching as a Profession (SP)	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		13	

SUMMER SESSION 1st YEAR

Philosophy General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Philosophy General Education courses in the College catalog.			
PHIL110	Philosophy and the Meaning of Life	3	<input type="checkbox"/>

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

History General Education courses			
Choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.			

Humanities & Technology General Education courses: Choose from the list of approved courses in the College catalog.

Science General Education courses (Recommended)			
Choose from the list of approved Science General Education courses in the College catalog.			
BIOS101	General Biology	4	<input type="checkbox"/>
BIOS122	Introduction to Environmental Science	4	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Social Science General Education courses in the College catalog.			
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Program Required Courses (choose two)			
CDEV101	Introduction to Early Childhood Education	3	<input type="checkbox"/>
EDUC202	Historical and Philosophical Patterns in Education (FA)	3	<input type="checkbox"/>
PSYC280	Educational Psychology	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ENGINEERING SCIENCE OPTION

A.S. - SCIENCE/MATHEMATICS



PROGRAM DESCRIPTION:

This program encompasses a variety of closely related areas of the sciences, mathematics, and engineering. It is intended to provide a means whereby students, while acquiring knowledge of engineering methods, can pursue their interests in areas of natural science. The options offered within the curriculum prepare students for advanced study in engineering.

Upon completion of this program, graduates will be able to:

- Design and conduct experiments, as well as to analyze and interpret data
- Identify, formulate, and solve engineering problems
- Demonstrate an understanding of professional and ethical responsibility
- Understand the impact of engineering solutions in a global, economic, environmental, and societal context
- Use the techniques, skills, and modern engineering tools necessary for engineering practice

ENGINEERING SCIENCE OPTION

A.S. - SCIENCE/MATHEMATICS

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	
MATH113	Calculus I	4	<input type="checkbox"/>	
CHEM110	College Chemistry I	4	<input type="checkbox"/>	
COMS114	Intro. To Computer Science I	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER			17	

FALL SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
MATH213	Calculus III	4	<input type="checkbox"/>	
PHYS120	Physics I with Calculus	4	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
ENGS000	Option Elective	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER			14	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	
MATH114	Calculus II	4	<input type="checkbox"/>	
CHEM112	College Chemistry II	4	<input type="checkbox"/>	
ECON101	Macroeconomics	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			14	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
PHYS121	Physics II with Calculus	4	<input type="checkbox"/>	
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	
ENGS000	Option Elective	4	<input type="checkbox"/>	
ENGS000	Option Elective	4	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			15	

SUMMER SESSION 1st YEAR

Humanities General Education courses (Recommended)			
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
HUMN102	Survey of World Culture II	3	<input type="checkbox"/>
PHIL205	Contemporary Ethical Issues	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
GEOG105	Cultural Geography	3	<input type="checkbox"/>
POLS101	Introduction to Political Science	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

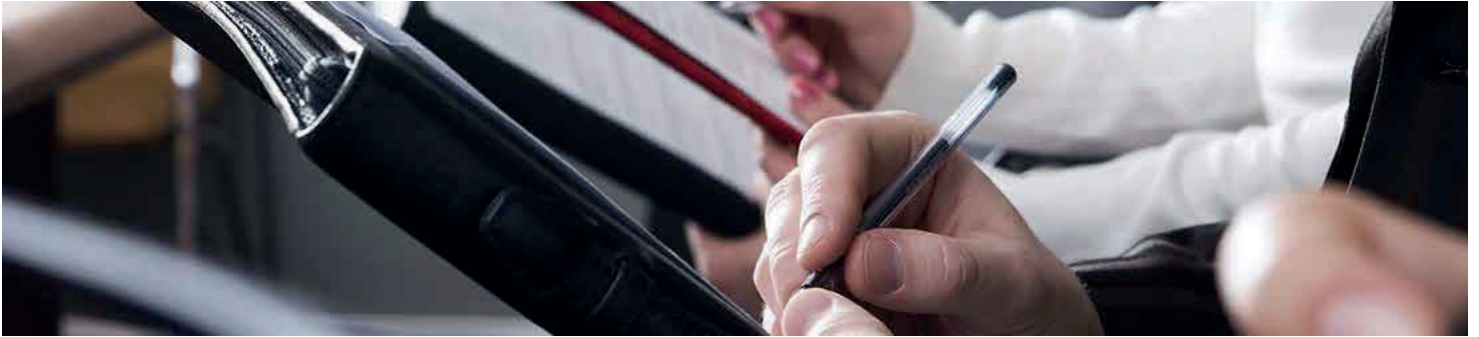
SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Option Electives			
COMS115	Introduction to Computer Science II	3	<input type="checkbox"/>
COMS143	Advanced Programming in C++	3	<input type="checkbox"/>
COMS225	Computer Aided Design	3	<input type="checkbox"/>
COMS226	Computer Aided Design II	3	<input type="checkbox"/>
COMS239	Fundamentals of Computer Architecture	3	<input type="checkbox"/>
ELET105	Electronic Circuits	4	<input type="checkbox"/>
ENGR125	Numerical Methods for Engineers	3	<input type="checkbox"/>
ENGR220	Engineering Statics	3	<input type="checkbox"/>
ENGR222	Engineering Dynamics	3	<input type="checkbox"/>
MATH215	Linear Algebra	4	<input type="checkbox"/>
MATH220	Ordinary Differential Equations with Applications	4	<input type="checkbox"/>
PHYS205	Modern Physics	4	<input type="checkbox"/>
PHYS210	Mechanics	4	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ENGLISH OPTION A.A. - LIBERAL ARTS



PROGRAM DESCRIPTION:

This program prepares students for transfer to a four-year college with a major in writing and/or literature. Students will develop excellent reading, writing, analysis, and research skills. Therefore, an English major can serve as a basis for careers in education, business, law, and publishing.

Students majoring in English are given the opportunity to publish their work in College publications such as *Idiom & Image*.

Upon completion of this program, graduates will be able to:

- Communicate clearly, formally and informally, in both oral and written form.
- Demonstrate facility in critical thinking, problem solving, and textual analysis.
- Compose literary research papers using scholarly, peer-reviewed critical sources.
- Demonstrate an understanding of the diverse historical and social factors that shape authors and texts.
- Display an appreciation for the place of literary texts within their individual lives and in the world as a global society.

ENGLISH OPTION A.A. - LIBERAL ARTS

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Humanities General Education courses in the College catalog.			
ARTA103	Art History I	3	<input type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
ARTA106	Art Appreciation	3	<input type="checkbox"/>
ARTA107	History of Contemporary Art	3	<input type="checkbox"/>
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
HUMN102	Survey of World Culture II	3	<input type="checkbox"/>
MUSC101	Music Appreciation	3	<input type="checkbox"/>
THEA208/ ENGL208	Theater History I	3	<input type="checkbox"/>
THEA209/ ENGL209	Theater History II	3	<input type="checkbox"/>
PHOT120	History of Photography	3	<input type="checkbox"/>
AMSL101	American Sign Language I	3	<input type="checkbox"/>
AMSL102	American Sign Language II	3	<input type="checkbox"/>
GRMN101	Elementary German I	3	<input type="checkbox"/>
GRMN102	Elementary German II	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>
SPAN102	Elementary Spanish II	3	<input type="checkbox"/>

Math/Science General Education courses (Recommended)			
Recommended courses listed below, student can also choose from the list of approved Math and Science General Education courses in the College catalog.			
MATH 104	Contemporary Math	3	<input type="checkbox"/>
MATH 106	Mathematical Concepts	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
BIOS101	General Biology	4	<input type="checkbox"/>
BIOS102	Introduction to Human Biology	4	<input type="checkbox"/>
BIOS108	Introduction to Environmental Sustainability	4	<input type="checkbox"/>
BIOS122	Introduction to Environmental Science	4	<input type="checkbox"/>
PHYS107	Introduction to Meteorology	4	<input type="checkbox"/>

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL213	Literary Masterpieces of the Western World I	3	<input type="checkbox"/>
ENGL001	Literature Sequence Requirement	3	<input type="checkbox"/>
GMSC000	Math or Science Gen Ed Requirement	3	<input type="checkbox"/>
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL207	Literature by Women	3	<input type="checkbox"/>
ENGL001	Literature Sequence Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
ENGL000	Program Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Philosophy General Education courses in the College catalog.			
ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>
POLS101	Introduction to Political Science	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Literature Sequence courses (Choose one sequence)			
ENGL203	American Literature I and	3	
&ENGL204	American Literature II	3	<input type="checkbox"/>
ENGL230	British Literature I and	3	
&ENGL231	British Literature II	3	<input type="checkbox"/>

Program Electives (Recommended)			
ENGL205	Contemporary Literature	3	<input type="checkbox"/>
ENGL210	Modern Short Novel	3	<input type="checkbox"/>
ENGL211	The Short Story	3	<input type="checkbox"/>
ENGL214	Literary Masterpieces of the Western World II	3	<input type="checkbox"/>
ENGL216	Children's Literature	3	<input type="checkbox"/>
ENGL220	Creative Writing	3	<input type="checkbox"/>
ENGL221	Modern Poetry	3	<input type="checkbox"/>
ENGL222	Shakespeare	3	<input type="checkbox"/>

Philosophy & Technology General Education courses			
Choose from the list of approved courses in the College catalog.			

History General Education courses			
Choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.			

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ENVIRONMENTAL STUDIES A.S.



PROGRAM DESCRIPTION:

Environmental Studies prepares students for transfer into a Bachelor of Science degree program in either Environmental Studies or Environmental Science.

Upon completion of this program, graduates will be able to:

- Deal with complex environmental problems that affect society.
- Understand the current environmental protection regulations.
- Understand how to perform environmental observations and tests, analyze air, land, water resources and waste management.
- Apply the principles of limits, recycling and reuse, sustainable yield, and resource diversity to real-life situations.
- Apply the laws of conservation of matter and energy to environmental issues.
- Understand how different cultures cope with the environmental consequences of human action.

ENVIRONMENTAL STUDIES A.S.

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	
MATH110	Pre-Calculus I*	3	<input type="checkbox"/>	
BIOS110	Biology I	4	<input type="checkbox"/>	
BIOS122	Introduction to Environmental Science	4	<input type="checkbox"/>	
TOTAL FALL SEMESTER			17	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	
MATH108	Statistics	3	<input type="checkbox"/>	
BIOS112	Biology II	4	<input type="checkbox"/>	
ENVS000	Option Elective	4	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			14	

SUMMER SESSION 1st YEAR

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
HUMN102	Survey of World Culture II	3	<input type="checkbox"/>
PHIL205	Contemporary Ethical Issues	3	<input type="checkbox"/>
AMSL101	American Sign Language I	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
ANTH101	Intro to Anthropology	3	<input type="checkbox"/>
ECON101	Macroeconomics	3	<input type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
GEOG105	Cultural Geography	3	<input type="checkbox"/>
POLS101	Introduction to Political Science	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

FALL SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
GEOL101	Physical Geology (FA)	4	<input type="checkbox"/>	
CHEM110	College Chemistry I	4	<input type="checkbox"/>	
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER			14	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
BIOS124	Ecology	4	<input type="checkbox"/>	
CHEM112	College Chemistry II**	4	<input type="checkbox"/>	
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
COLL209	Capstone for Environmental Studies	1	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			15	

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Option Electives (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Environmental Science Elective courses in the College catalog.			
BIOS130	Introduction to Botany	4	<input type="checkbox"/>
BIOS210	Microbiology	4	<input type="checkbox"/>
GEOL110	Historical Geology	4	<input type="checkbox"/>
PHYS107	Introduction to Meteorology	4	<input type="checkbox"/>
PHYS110	Physics I	4	<input type="checkbox"/>
PHYS112	Physics II	4	<input type="checkbox"/>

***Students testing higher than MATH110 on the CLM test may take MATH111, MATH112, MATH113, MATH114 or MATH213 to satisfy this math requirement.**

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

EXERCISE SCIENCE A.S.



PROGRAM DESCRIPTION:

The Associate of Science Degree in Exercise Science is designed to prepare students for transfer to a four-year college or university degree program in exercise science. This program's hands-on focused curriculum is based on the exercise science competencies of the American College of Sports Medicine and will teach students the skills and knowledge needed to perform fitness assessments, design individualized exercise programs, evaluate human movement, and make nutritional recommendations. In addition, a degree in exercise science will serve as a solid foundation for students seeking admission into athletic training, physical therapy, occupational therapy, or sports medicine degree programs.

Upon completion of this program, graduates will be able to:

- Examine anatomy and exercise physiology concepts as applied to human movement in different types of physical activity and sport.
- Conduct health and fitness assessments using valid and reliable test protocols.
- Design individualized exercise prescriptions with appropriate exercise progression.
- Create scientific reports using technical writing skills, graphs, charts, tables, diagrams, and peer-reviewed scientific literature.
- Demonstrate techniques reflective of professional best practices in the field of exercise science.
- Create nutrition recommendations for healthy, special, and athletic populations.

EXERCISE SCIENCE A.S.

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	
MATH110	Pre-Calculus I*	3	<input type="checkbox"/>	
EXSC101	Introduction to Exercise Science	3	<input type="checkbox"/>	
EXSC000	Option Elective	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		15		

FALL SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
BIOS104	Anatomy and Physiology II	4	<input type="checkbox"/>	
BIOS150	Nutrition, Fitness & Wellness (FA)	3	<input type="checkbox"/>	
EXSC105	First Aid and Emergency Care	3	<input type="checkbox"/>	
EXSC201	Kinesiology (FA)	3	<input type="checkbox"/>	
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		16		

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	
BIOS103	Anatomy and Physiology I	4	<input type="checkbox"/>	
BIOS107	Nutrition Fundamentals	3	<input type="checkbox"/>	
CHEM100	Introductory Chemistry **	4	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		14		

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
EXSC210	Exercise Physiology (SP)	3	<input type="checkbox"/>	
EXSC215	Fitness Assessment & Exercise Prescription (SP)	3	<input type="checkbox"/>	
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

Humanities General Education courses (Recommended)
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

AMSL101	American Sign Language I	3	<input type="checkbox"/>
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
HUMN101	Survey of World Culture II	3	<input type="checkbox"/>
PHIL205	Contemporary Ethical Issues	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>

***Students testing higher than MATH110 on the CLM test may take MATH112, MATH113, MATH114 or MATH213 to satisfy this requirement.**
****Students may take CHEM110 to satisfy this requirement.**

Social Sciences General Education courses (Recommended)
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>
ANTH115	Biological Anthropology	4	<input type="checkbox"/>
ECON102	Macroeconomics	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Option Electives (Recommended)
Recommended courses listed below but student can also choose from the list of approved Exercise Science Elective courses in the College catalog.

BIOS102	Introduction to Human Biology	4	<input type="checkbox"/>
BIOS110	Biology I	4	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

FASHION DESIGN OPTION

A.F.A. - Studio Arts



PROGRAM DESCRIPTION:

The purpose of The Associate of Fine Arts Degree/Fashion Design Option at Sussex County Community College seeks to assist students in becoming professionals in the field of art and design. This program nurtures artistic freedom and creativity while developing a strong sense of artistic discipline. Students are encouraged to be inventive within the framework of a traditional approach to both two and three dimensional art forms. Our curriculum is designed to lead a student through a series of visual challenges enabling the student to master the medium and be cognizant of traditional methods of creativity. To become tomorrow's visionary means understanding the significance of one's own time and place defined by the limitless possibilities of personal expression within the boundaries of a universal aesthetic language. Commitment to a balanced learning process, prepares students for a four-year institution or a career in the creative arts. The primary objective is to provide an environment in which students can achieve a degree of professionalism as technically competent and creatively fluent.

Upon completion of this program, graduates will be able to:

- Utilize the elements and principles of design and composition.
- Analyze the aesthetic implications of fashion design.
- Examine connections between theory and practice in the field of design.
- Construct garments from personal designs based on current design trends, art historical concepts, social, political, or cultural influences.
- Create a portfolio of artwork.

FASHION DESIGN OPTION

A.F.A. - Studio Arts

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
ARTA103	Art History I	3	<input type="checkbox"/>
ARTA101	Basic Design	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
DESN202	Fashion Construction I	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>
ARTA150	Life Drawing I	3	<input type="checkbox"/>
GRAD105	Vector Graphics and Page Design	3	<input type="checkbox"/>
ARTA002	Studio Art Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
ARTA108	Basic Drawing	3	<input type="checkbox"/>
ARTA110	Introduction to Color	3	<input type="checkbox"/>
GRAD107	Drawing for Designers	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
DESN203	Fashion Construction II	3	<input type="checkbox"/>
ARTA107	History of Contemporary Art	3	<input type="checkbox"/>
GRAD230	Directed Themes in Illustration	3	<input type="checkbox"/>
ARTA260	Portfolio Development	3	<input type="checkbox"/>
ARTA002	Studio Art Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Technology General Education courses

Choose from the list of approved General Education courses in the College catalog.

Studio Art Elective courses (Recommended)

Recommended courses listed below but student can also choose from any ARTA, PHOT, GRAD or ARTA/PHOT designations.

ARTA106	Art Appreciation	3	<input type="checkbox"/>
PHOT109	Introduction to Photography	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

FIRE SCIENCE TECHNOLOGY A.A.S.



PROGRAM DESCRIPTION:

This program is designed to serve the career and volunteer fire fighter, industrial fire protection personnel, fire protection specialist or the recent high school graduate who has an interest in fire service. The program will be offered primarily in the evening for part-time students. Upon completion of the program, students will have attained the skills and knowledge to perform their current duties more effectively and to prepare them for greater levels of responsibility within the fire service system.

Upon completion of this program, graduates will be able to:

- Be prepared with a scientific understanding of fire hazards and their control with emphasis on effective operating procedures at fires and other emergencies.
- Demonstrate the skills necessary to incorporate the theory and applications to become a credentialed professional in the fire service.

FIRE SCIENCE TECHNOLOGY A.A.S.

Fall Semester 1 st Year			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>	
FRST101	Introduction to Fire Science	3	<input type="checkbox"/>	
FRST103	Fire Prevention	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		15		

Fall Semester 2 nd Year			Credit Hours	<input checked="" type="checkbox"/>
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>	
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>	
FREE000	Free Elective	3	<input type="checkbox"/>	
FRST106	Fire Tactics and Strategy	3	<input type="checkbox"/>	
FRST107	Fire Investigation	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		15		

Winter Session

Winter Session

Spring Semester 1 st Year			Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
FRST104	Fire Administration	3	<input type="checkbox"/>	
FRST105	Fire Protection Systems	3	<input type="checkbox"/>	
FRST110	Fire Behavior and Combustion	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

Spring Semester 2 nd Year			Credit Hours	<input checked="" type="checkbox"/>
HUMN102	Survey of World Culture II	3	<input type="checkbox"/>	
FRST202	Building Construction for Fire Protection	3	<input type="checkbox"/>	
FRST205	Fire Protection Hydraulics and Water Supply	3	<input type="checkbox"/>	
FRST208	Hazardous Materials	3	<input type="checkbox"/>	
FRST210	Occupational Health and Safety	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

Summer Session

Summer Session

TOTAL PROGRAM 60

Social Science General Education courses			
POLS106	State and Local Government	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
CHEM107	Forensic Science	4	<input type="checkbox"/>
BIOS122	Environmental Science	4	<input type="checkbox"/>

Program/Option/Certificate Free Elective: Choose any course from the College Catalog.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

FIRE SCIENCE TECHNOLOGY CERTIFICATE



PROGRAM DESCRIPTION:

This program is designed to serve the career and volunteer fire fighter, industrial fire protection personnel, fire protection specialist or the recent high school graduate who has an interest in fire service. The program will be offered primarily in the evening for part-time students. Upon completion of the program, students will have attained the skills and knowledge to perform their current duties more effectively and to prepare them for greater levels of responsibility within the fire service system. Courses completed to satisfy the requirements of the certificate program may be used to meet the requirements for the A.A.S. degree in Fire Science Technology.

Upon completion of this program, graduates will be able to:

- Be prepared with a scientific understanding of fire hazards and their control with emphasis on effective operating procedures at fires and other emergencies.
- Demonstrate the skills necessary to incorporate the theory and applications to become a credentialed professional in the fire service.

FIRE SCIENCE TECHNOLOGY CERTIFICATE.

FALL SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS110	Computer Concepts and Application	3	<input type="checkbox"/>
FRST101	Introduction to Fire Science	3	<input type="checkbox"/>
FRST103	Fire Prevention	3	<input type="checkbox"/>
FRST106	Fire Tactics and Strategy	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
FRST104	Fire Administration	3	<input type="checkbox"/>
FRST110	Fire Behavior and Combustion	3	<input type="checkbox"/>
FRST202	Building Construction for Fire Protection	3	<input type="checkbox"/>
CERT000	Certificate Elective	3	<input type="checkbox"/>
FRST208	Hazardous Materials	3	<input type="checkbox"/>
FRST210	Occupational Health and Safety	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		18	

SUMMER SESSION 1st YEAR

TOTAL PROGRAM	33
----------------------	-----------

Certificate Electives			
FRST205	Fire Protection Hydraulics and Water Supply	3	<input type="checkbox"/>
FRST250	Special Topics in Fire Science Technology	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

GAME DEVELOPMENT OPTION

A.A.S. - Graphic Design



PROGRAM DESCRIPTION:

A degree in Game Development will prepare students for entry-level positions in programming, testing and game design. During the final semester of the degree program, game artists and developers will work in conjunction to create and manage a complete marketable game.

Upon completion of this program, graduates will be able to:

- Recognize and evaluate critical and aesthetic issues within computer graphics and the mixed media.
- Compare and contrast game requirements based on genre.
- Analyze player control, manual and visual interface design, and usability.
- Identify phases in the game development cycle, as well as be skilled in project management and game documentation.
- Work collaboratively and individually with an understanding of the production process utilized in industry-standard studios.
- Communicate effectively in oral format on research and creative issues.
- Apply critical thinking and aesthetic judgments in critiquing mixed media and computer graphics productions.
- Function on multi-disciplinary teams.
- Merge complex artwork and code to create a working video game.
- Create a project report.
- Set a mood using sound effects, ambient and environmental sounds and music.
- Demonstrate professionalism through creative and intellectual independence.
- Demonstrate knowledge of the legal and ethical issues related to sound and video sampling and the current copyright laws pertaining to music, video and audio recordings.

GAME DEVELOPMENT OPTION

A.A.S. - Graphic Design

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS113	Introduction to Information Systems	3	<input type="checkbox"/>
COMS155	Web Site Development I	3	<input type="checkbox"/>
GRAD115	Introduction to Game Theory & Development	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ECON101	Macroeconomics	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
COMS115	Introduction to Computer Science II	3	<input type="checkbox"/>
COMS132	Game Programming	3	<input type="checkbox"/>
GRAD128	Digital Imagery & Editing	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
COMS114	Introduction to Computer Science I	3	<input type="checkbox"/>
COMS230	Networks and Telecommunications	3	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
COMS210	Systems Analysis and Design	3	<input type="checkbox"/>
COMS223	Data Structures	3	<input type="checkbox"/>
GRAD235	Video and Motion Graphics	3	<input type="checkbox"/>
GRAD262	Game Production	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
HIST101	History of Western Civilization I	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

GEOLOGY OPTION

A.S. - Science/Mathematics



PROGRAM DESCRIPTION:

This program is designed for students who wish to pursue a bachelor's degree at a four-year institution, majoring in Geology or a related science.

Upon completion of this program, graduates will be able to:

- Science is an evidence-based way of thinking about the natural world and understanding how it operates.
- Science is a process with rules of operation that allow our understanding of the natural world to evolve.
- Science is based on reproducible evidence and observations that contain uncertainties.
- The sciences are related to each other, mathematics, and everyday life.
- Science is driven by globalization, technology, and new instrumentation and measurement tools.
- Scientific meanings of theory and law are different than popular meanings.

GEOLOGY OPTION

A.S. - Science/Mathematics

FALL SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH113	Calculus I	4	<input type="checkbox"/>
GEO101	Physical Geology (FA)	4	<input type="checkbox"/>
TOTAL FALL SEMESTER		14	

FALL SEMESTER 2nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
CHEM110	College Chemistry I	4	<input type="checkbox"/>
PHYS120	Physics I with Calculus	4	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
GEOG105	Cultural Geography	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		17	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
MATH114	Calculus II	4	<input type="checkbox"/>
BIOS122	Introduction to Environmental Science	4	<input type="checkbox"/>
GEO110	Historical Geology (SP)	4	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
CHEM112	College Chemistry II	4	<input type="checkbox"/>
PHYS121	Physics II with Calculus	4	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
GEO100	Option Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		14	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
HUMN102	Survey of World Culture II	3	<input type="checkbox"/>
PHIL205	Contemporary Ethical Issues	3	<input type="checkbox"/>
AMSL101	American Sign Language I	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>
HIST102	History of Western Civilization II	3	<input type="checkbox"/>

Option Electives (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Geology Electives in the College catalog.			
BIOS110	Biology I	4	<input type="checkbox"/>
PHYS105	Introductory Astronomy	4	<input type="checkbox"/>
PHYS107	Introductory Meteorology	4	<input type="checkbox"/>
PHYS108	The Physics and Technology of Clean Energy	4	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>
POLS101	Introduction to Political Science	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

GRAPHIC DESIGN

A.A.S.



PROGRAM DESCRIPTION:

Graphic designers combine artistic ability with technical knowledge to create designs used in print and electronic media that inform, motivate, educate or sell. The objective of this focused multimedia program is designed to provide traditional techniques and the dynamic structure of current computer-based technology. The program will build the groundwork for a career and provide real time in a simulated work environment while preparing a competitive portfolio. Students will develop initiative and critical thinking skills needed to compete in the global market place. Approximately one-half of all program graduates go on to complete a baccalaureate degree in graphic design, film, video, illustration or game art.

Upon completion of this program, graduates will be able to:

- Analyze the history of visual culture and design theory, and apply historical relevance in the context of modern industry issues and trends.
- Execute technical, aesthetic, and conceptual decisions based on understanding the functions of graphic design, illustration, web design and animation.
- Implement current and emerging technologies using both PC and Macintosh platforms as production tools.
- Utilize problem solving techniques and critical thinking skills across a wide range of media to capture the attention of intended audiences.
- Collaborate with diverse teams of creative contributors, production personnel and clients while working with creative constraints and deadlines.
- Apply knowledge of intellectual property issues.
- Produce a professional portfolio in both traditional and digital formats.
- Qualify for various entry-level industry positions, including desktop publishing, graphic designers, production artists, web designers, digital image processors, digital illustrators and assistant art directors.

GRAPHIC DESIGN A.A.S.

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
GRAD101	Design I	3	<input type="checkbox"/>
GRAD105	Vector Graphic and Page Design	3	<input type="checkbox"/>
GRAD107	Drawing for Designers	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
GRAD122	Typography and Layout	3	<input type="checkbox"/>
GRAD135	Advertising and Package Design	3	<input type="checkbox"/>
GRAD144	Color for Designers	3	<input type="checkbox"/>
GRAD119	Theme and Templating Websites I	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
ARTA103	Art History I	3	<input type="checkbox"/>
MAST000	Math/Science/Technology Gen Ed Requirement	3	<input type="checkbox"/>
GRAD109	Understanding Social Media	3	<input type="checkbox"/>
GRAD128	Digital Imagery and Editing	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
GRAD201	Presentation and Print Production	3	<input type="checkbox"/>
GRAD235	Video and Motion Graphics	3	<input type="checkbox"/>
GRAD280	Graphic Design Internship	2	<input type="checkbox"/>
GRAD281	Portfolio Preparation and Presentation	1	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

Math, Science, Technology, Humanities & Social Science General Education courses: Choose from the list of approved courses in the College catalog.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

HEALTH SCIENCE A.A.S.



PROGRAM DESCRIPTION:

The Associate in Health Science Degree program was designed to be the next step in health care educational opportunities. Students, who have completed a non-credit post-secondary health care training program, culminating in certification or licensure, are encouraged to enroll in this degree program. This program offers the general educational component which, when completed and combined with credit awarded for their prior health care education, qualify the student to be awarded an Associate of Applied Science Degree in Health Science.

Credit for certification/licensure will be granted after completion of the degree requirements (with grades of “C” or higher) resulting in 61/62 credits. The number of credits awarded for non-credit training will be determined by a review committee consisting of appropriate faculty and administrators at the College. Applicants are required to submit the following documentation for review: a copy of current license or certificate, transcripts and a diploma from the completed training program, and a current resume.

Program Goals:

- Provide educational opportunities for allied health and nursing personnel.
- Engage in public health education within the framework of legal, ethical, and professional standards.
- Adapt health education research findings into practice settings.
- Provide leadership in the health profession.
- Establish a personal commitment to professional growth.

HEALTH SCIENCE A.A.S.

FALL SEMESTER 1 st YEAR*				Credit Hours	<input checked="" type="checkbox"/>	FALL SEMESTER 2 nd YEAR				Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>	HSCI000*	Program/Free Elective	3	<input type="checkbox"/>				
MATH105	Technical Mathematics	3	<input type="checkbox"/>	HSCI000*	Program Elective	3	<input type="checkbox"/>				
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>	HSCI000*	Program Elective	3	<input type="checkbox"/>				
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>	HSCI000*	Program Elective	3	<input type="checkbox"/>				
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	HSCI000*	Program Elective	3	<input type="checkbox"/>				
TOTAL FALL SEMESTER				15		TOTAL FALL SEMESTER				15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR				Credit Hours	<input checked="" type="checkbox"/>	SPRING SEMESTER 2 nd YEAR				Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing and Communication I	3	<input type="checkbox"/>	HSCI000*	Program/Free Elective	3	<input type="checkbox"/>				
PHIL205	Contemporary Ethical Issues	3	<input type="checkbox"/>	HSCI000*	Program/Free Elective	3	<input type="checkbox"/>				
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>	HSCI000*	Program Elective	3	<input type="checkbox"/>				
HSCI000*	Program/Free Elective	3	<input type="checkbox"/>	HSCI000*	Program Elective	3	<input type="checkbox"/>				
HSCI000*	Program Elective	3	<input type="checkbox"/>	HSCI000*	Program Elective	3	<input type="checkbox"/>				
TOTAL SPRING SEMESTER				15		TOTAL SPRING SEMESTER				15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM

60

Humanities General Education courses (Recommended)

Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

ARTA103	Art History I	3	<input type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
ARTA106	Art Appreciation	3	<input type="checkbox"/>
ARTA107	History of Contemporary Art	3	<input type="checkbox"/>
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
HUMN102	Survey of World Culture II	3	<input type="checkbox"/>
THEA208/ ENGL208	Theater History I	3	<input type="checkbox"/>
THEA209/ ENGL209	Theater History II	3	<input type="checkbox"/>
MUSC101	Music Appreciation	3	<input type="checkbox"/>
PHOT120	History of Photography	3	<input type="checkbox"/>
AMSL101	American Sign Language I	3	<input type="checkbox"/>
AMSL102	American Sign Language II	3	<input type="checkbox"/>
GRMN101	Elementary German I	3	<input type="checkbox"/>
GRMN102	Elementary German II	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>
SPAN102	Elementary Spanish II	3	<input type="checkbox"/>

Program Electives (Recommended)*

BIOS103	Anatomy & Physiology I	4	<input type="checkbox"/>
BIOS104	Anatomy & Physiology II	4	<input type="checkbox"/>
BIOS107	Fundamentals of Nutrition	3	<input type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
EXSC101	Introduction to Exercise Science	3	<input type="checkbox"/>
PSYC109	Psychology of Human Growth & Development	3	<input type="checkbox"/>
SOCA215	Perspectives on Race, Gender, Class, & Culture	3	<input type="checkbox"/>

Free Electives: Choose from any non-developmental course in the College catalog.

*Candidates must have a current external certification or license to qualify for admission in to the program. The value of the block of credits granted for professional certification/licensure will be between 15-30 credits and it is based on completed health science program clock hours. The number of electives required will depend on the number of credits granted for professional certification.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

HISTORY OPTION

A.A. - Liberal Arts



PROGRAM DESCRIPTION:

The History Option is primarily designed to prepare students to transfer into the junior year of a baccalaureate degree program in history. In addition, students

seeking admission into political science or pre-law programs would receive a solid academic foundation upon which to build a successful major.

The objectives of this program are to:

- Demonstrate general knowledge of historical inquiry and research.
- Describe the interconnection between economics, politics, society and culture and analyze the effects of these influences on historic development.
- Provide examples of the impact of individual and collective action upon historic development.
- Examine the impact of perspective on the interpretation of historic events.
- Communicate clearly in both oral and written form.
- Demonstrate critical thinking and problem-solving skills.

HISTORY OPTION

A.A. - Liberal Arts

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
HIST105	U.S. History I	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
ANTH120	Cultural Anthropology	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
POLS105	American Government	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
HIST106	U.S. History II	3	<input type="checkbox"/>
ANTH110	Physical Anthropology	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
COLL201	Capstone for Liberal Arts	1	<input type="checkbox"/>
TOTAL SPRING SEMESTER		14	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

Philosophy, Technology, Math and Science General Education courses: Choose from the list of approved courses in the College catalog.

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Humanities General Education courses in the College catalog.			
AMSL101	American Sign Language I	3	<input type="checkbox"/>
AMSL102	American Sign Language II	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>
SPAN102	Elementary Spanish II	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Social Science General Education courses in the College catalog.			
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

History General Education courses			
Recommended courses listed below but student can also choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.			
HIST101	History of Western Civilization I	3	<input type="checkbox"/>
HIST102	History of Western Civilization II	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

HORTICULTURE SCIENCE A.S.



PROGRAM DESCRIPTION:

The Associate in Science degree in Horticultural Science is designed for individuals who have a strong interest in occupations that relate to horticulture, nursery production, landscape design, landscape maintenance, the production of organic fruits and vegetables, and similar agricultural endeavors. Students interested in transferring to a four-year college or university need some foundational knowledge of plant biology, chemistry, horticulture fundamentals, soil science, and greenhouse management.

The objectives of this program are to:

- Demonstrate a working knowledge of business management principles as they apply to the field of horticulture, horticulture management, and related endeavors.
- Categorize plants based on growth, morphological characteristics, taxonomic classifications, and habitat requirements.
- Demonstrate proficiency in written communication, oral communication, computer applications and problem-solving.
- Develop solutions for a wide variety of plant health issues.
- Apply classroom theory and hands-on practice in real-world horticultural environments.
- Describe and implement both conventional and organic methods of horticultural maintenance, such as fertilization and pest control.
- Demonstrate proficiency in the selection and use of native plants in ecological restoration projects.

HORTICULTURE SCIENCE

A.S.

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH110	Pre-Calculus I	3	<input type="checkbox"/>
CHEM110	College Chemistry I	4	<input type="checkbox"/>
AGSC101	Introduction to Agricultural Science	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
AGSC107	Agriculture Pest Control and Management (FA)	4	<input type="checkbox"/>
BIOS130	Introduction to Botany (FA)	4	<input type="checkbox"/>
HORT201	Introduction to Soil Science (FA)	4	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
BIOS110	Biology I	4	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
CHEM112	College Chemistry II	4	<input type="checkbox"/>
TOTAL SPRING SEMESTER		14	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
HORT102	Plant Propagation (SP)	4	<input type="checkbox"/>
HORT204	Greenhouse Management (SP)	4	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
COLL210	Capstone for Biological and Clinical Sciences	1	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
HIST105	U.S. History I	3	<input type="checkbox"/>
HIST106	U.S. History II	3	<input type="checkbox"/>
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
HUMN102	Survey of World Culture II	3	<input type="checkbox"/>
PHIL205	Contemporary Ethical Issues	3	<input type="checkbox"/>

Social Sciences General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

HOTEL & RESTAURANT MANAGEMENT OPTION

A.A.S. - Business Management



PROGRAM DESCRIPTION:

This program is designed as a terminal degree and prepares students for immediate entry into a career. This program provides students with fundamental business knowledge and prepares them for careers in the Hotel and Restaurant Industry, business development and management, government, retail and not-for-profit organizations.

The objectives of this program are to:

- Obtain entry-level and supervisory careers in the Hotel and Restaurant Industry, business development and management, government, retail or not-for-profit organizations.
- Analyze contemporary business problems and propose effective solutions using case studies and SWOT analysis (strengths, weaknesses, opportunities and threats).
- Identify ethical and unethical business behaviors and explain the impact of each type of behavior on an organization's stakeholders (i.e., customers, competitors, investors, creditors, government regulators, employees, etc.).
- Design and deliver effective oral presentations as commonly used in contemporary business environments.
- Use applications software for basic word processing, spreadsheet and presentation projects.

HOTEL & RESTAURANT MANAGEMENT OPTION

A.A.S. - Business Management

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
CULA103	Food Service Sanitation	1	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
HOST101	Introduction to Hotel, Restaurant and Institutional Management	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ACCT101	Accounting Principles I – Financial	3	<input type="checkbox"/>
BUSA211	Management & Organizational Behavior	3	<input type="checkbox"/>
BUSA110	Business Communications	3	<input type="checkbox"/>
HOST136	Hospitality Marketing (FA)	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing & Communication I	3	<input type="checkbox"/>
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
COMS120	Computer Software Applications	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
BUSA205	Business Law I	3	<input type="checkbox"/>
ECON101	Macroeconomics	3	<input type="checkbox"/>
HOST108	Hotel & Restaurant Operations (SP)	3	<input type="checkbox"/>
HOST201	Food & Beverage Management (SP)	3	<input type="checkbox"/>
HOST280	Hospitality and Culinary Arts Internship	2	<input type="checkbox"/>
TOTAL SPRING SEMESTER		14	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
HUMN 101	Survey of World Culture I	3	<input type="checkbox"/>
HUMN 102	Survey of World Culture II	3	<input type="checkbox"/>

Math General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
MATH104	Contemporary Mathematics	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

HUMAN SERVICES A.S.



PROGRAM DESCRIPTION:

The Human Services A.S. is designed to transfer into Bachelor of Social Work Programs. Program graduates transfer successfully as junior into Bachelor of Social Work Programs in most nearby colleges, through pre-set Transfer Agreements with those programs. Social Work is a field dedicated to empowering individuals, families and communities, with a particular emphasis on addressing issues of economic and social inequality. Social workers practice in a wide range of settings, including group homes, shelters, hospitals, mental health facilities, schools, nursing homes, and substance abuse rehabilitation programs. They help individuals, families, and groups cope with problems such as homelessness, inadequate housing, serious illness, disabilities, unemployment, lack of job skills, unwanted pregnancy, and family disruptions.

The objectives of this program are to:

- Analyze the historical context of current social problems.
- Identify the major casework methodologies used in direct service settings.
- Apply basic ethical principles in the practice of social work.
- Demonstrate familiarity with the Ecological Systems Theory approach to the dynamic interactions between micro, mezzo and macro systems in the life of the individual.
- Describe the relationships among socio-cultural factors, economic factors and social problems.

HUMAN SERVICES A.S.

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
MATH104	Contemporary Mathematics	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
HUMS101	Introduction to Social Work and Social Welfare	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

Humanities General Education courses (Recommended)			
Choose HIST101 & HIST102 or HIST105 & HIST106			
HIST101	Western Civilization I	3	<input type="checkbox"/>
HIST102	Western Civilization II	3	<input type="checkbox"/>
HIST105	U.S. History I	3	<input type="checkbox"/>
HIST106	U.S. History II	3	<input type="checkbox"/>

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
HUMS120	Interviewing and Counseling	3	<input type="checkbox"/>
SOCA215	Perspectives on Race, Gender, Class and Culture	3	<input type="checkbox"/>
SOCA208	Sociology of the Family	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
HUMS000	Free Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
HUMS203	Human Behavior in the Social Environment	3	<input type="checkbox"/>
HUMS205	Social Welfare Policy	3	<input type="checkbox"/>
HUMS220	Field Experience in Human Services	3	<input type="checkbox"/>
POLS105	American Government	3	<input type="checkbox"/>
FREE000	Free Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
BIOS101	General Biology	4	<input type="checkbox"/>
BIOS102	Introduction to Human Biology	4	<input type="checkbox"/>

Electives: Choose any 2 courses with a PSYC designation, ANTH120 or SOCA203.			
ANTH120	Cultural Anthropology	3	<input type="checkbox"/>
SOCA203	Social Research Methods	3	<input type="checkbox"/>
PSYC		3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

ILLUSTRATION OPTION

A.A.S. - Graphic Design



PROGRAM DESCRIPTION:

This program is for individuals seeking skills and education necessary to work commercially as an illustrator. A variety of specialized areas including children's book, editorial, comic book, fashion, commercial or advertising, and scientific illustration will be explored through investigating the history, the modern world, and utilizing hands-on experience with digital imaging and computer aided drawing software in addition to traditional mediums. In-depth study of the elements and principles of art and design will be encouraged to master technical and creative skills in digital arts, illustration, design techniques and drawing. A portfolio demonstrating digital imaging, drawing, and illustration skills will be presents upon completion of the program. Approximately one-half of all program graduates go on to complete a baccalaureate degree in game art, animation, graphic design, film, video or illustration.

The objectives of this program are to:

- Analyze the history of visual culture and design theory, and apply historical relevance in the context of modern industry issues and trends.
- Execute technical, aesthetic, and conceptual decisions based on understanding the functions of graphic design and illustration.
- Implement current and emerging technologies using both PC and Macintosh platforms as production tools.
- Utilize problem solving techniques and critical thinking skills across a wide range of media to capture the attention of intended audiences.
- Collaborate with diverse teams of creative contributors, production personnel and clients while working with creative constraints and deadlines.
- Apply knowledge of intellectual property issues.
- Produce a professional portfolio in both traditional and digital formats.
- Qualify for various entry-level industry positions, including desktop publishing, graphic designers, production artists, web designers, digital image processors, digital illustrators and assistant art directors.

ILLUSTRATION OPTION

A.A.S. - Graphic Design

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
GRAD101	Design I	3	<input type="checkbox"/>
GRAD105	Vector Graphic and Page Design	3	<input type="checkbox"/>
GRAD107	Drawing for Designers	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ARTA103	Art History I	3	<input type="checkbox"/>
GRAD109	Understanding Social Media	3	<input type="checkbox"/>
GRAD139	Children’s Book Illustration	3	<input type="checkbox"/>
GRAD150	Storyboarding and Sequential Storytelling	3	<input type="checkbox"/>
GRAD144	Color for Designers	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
MAST000	Math/Science/Technology Gen Ed Requirement	3	<input type="checkbox"/>
GRAD128	Digital Imagery and Editing	3	<input type="checkbox"/>
GRAD138	Comic Book Illustration	3	<input type="checkbox"/>
GRAD153	Character Design	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
GRAD230	Directed Themes in Illustration	3	<input type="checkbox"/>
GRAD280	Graphic Design Internship	2	<input type="checkbox"/>
GRAD281	Portfolio Preparation and Presentation	1	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

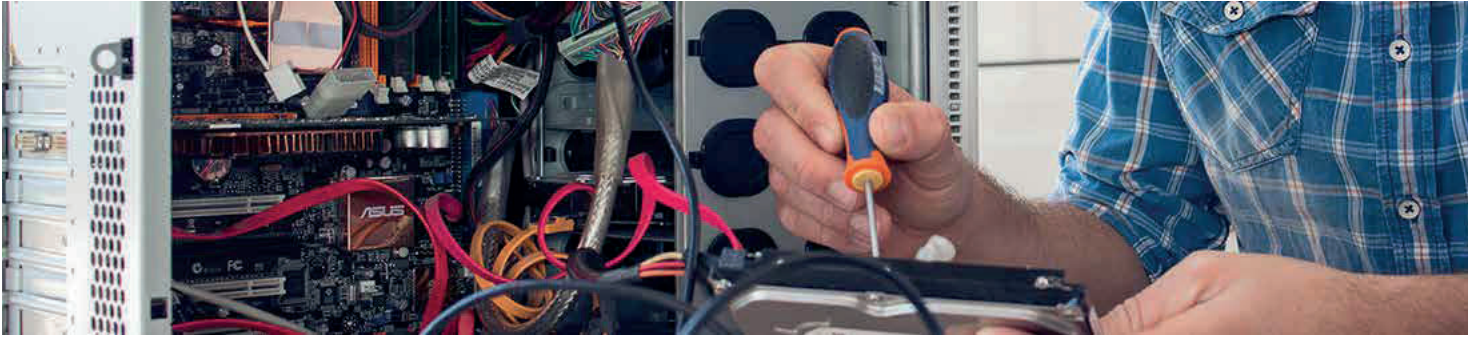
TOTAL PROGRAM 60

Math, Science, Technology, Humanities or Social Science General Education courses: Choose from the list of approved courses in the College catalog.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students’ completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

INFORMATION TECHNOLOGY

A.A.S. - Computer Information Systems



PROGRAM DESCRIPTION:

This program is designed as a terminal degree and prepares students for immediate entry into a career. This program provides students with technical knowledge and prepares them for careers in the IT fields to work for computer companies, consulting firms, business, financial companies, government, retail and not-for-profit organizations.

The objectives of this program are to:

- Apply computer science concepts directly to situations found in the working environment.
- Interpret problems and apply solutions in a variety of situations, including networking, operating systems, and IT skills.
- Interpret concepts found in technical manuals on networking and operating systems design.
- Communicate technical information effectively, in both verbal and written forms.
- Demonstrate effective problem solving skills based on technical knowledge and practice.
- Understand, integrate, and apply network construction knowledge and skills professionally.
- Demonstrate professionalism with attitude, conduct, and ethical work practices.
- Communicate skillfully with other industry professionals involved in the IT process.

INFORMATION TECHNOLOGY

A.A.S. - Computer Information Systems

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS113	Introduction to Information Systems	3	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
COMS111	IT Fundamentals	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ECON101	Macroeconomics	3	<input type="checkbox"/>
COMS233	Internetworking Design	3	<input type="checkbox"/>
COMS218	Database Management Systems (FA)	3	<input type="checkbox"/>
COMS221	Operating Systems (FA)	3	<input type="checkbox"/>
COMS141	Linux Fundamentals for Cyber Security	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
COMS114	Introduction to Computer Science I	3	<input type="checkbox"/>
COMS230	Networks and Telecommunications (SP)	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
COMS155	Web Site Development I	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
COMS210	Systems Analysis and Design (SP)	3	<input type="checkbox"/>
COMS234	Networking Management and Security	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
COMS240	Computer Information Systems Internship	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

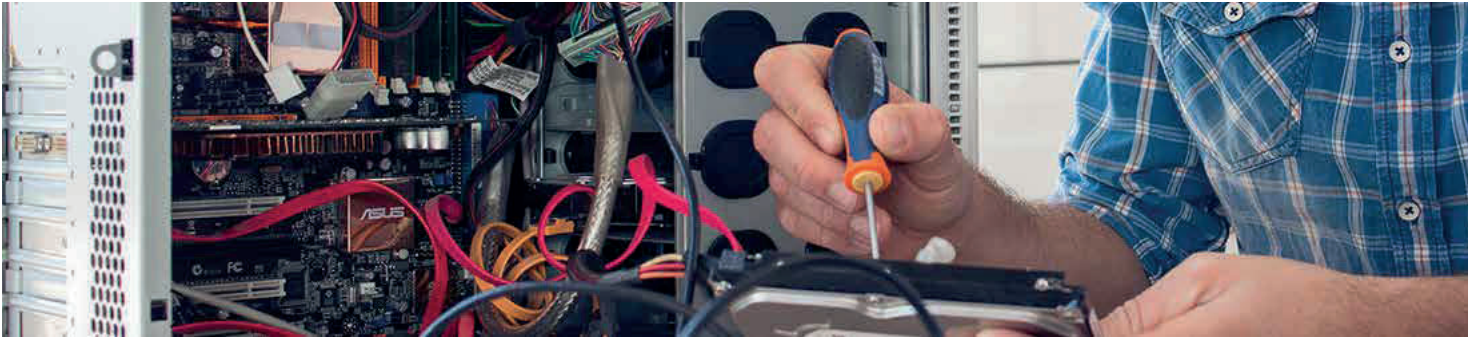
TOTAL PROGRAM 60

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Humanities General Education courses in the College catalog.			
HIST 101	History of Western Civilization I	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

INFORMATION SYSTEMS OPTION

A.S. - Science/Mathematics



PROGRAM DESCRIPTION:

Information Systems involves the application of computing principles by combining the fields of management and technology. The program is centered on the design, implementation, and testing of information systems as related to current practices. Graduates of the Information Systems Program should be able to transfer into four-year institutions that support a baccalaureate degree of this discipline.

The objectives of this program are to:

- Demonstrate the ability to solve problems, conduct research and think critically.
- Demonstrate an understanding of computer architecture.
- Ability to analyze IT problems within a business environment.
- Develop effective communication skills within an organization.
- Demonstrate the ability work both individually and as a team member.
- Exhibit professionalism and ethical behavior.
- Adapt to advancements in the area of information technology.

INFORMATION SYSTEMS OPTION

A.S. - Science/Mathematics

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	
COMS113	Introduction to Information Systems	3	<input type="checkbox"/>	
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>	
COMS155	Web Site Development I	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		16		

FALL SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
MATH113	Calculus I	4	<input type="checkbox"/>	
GHUM000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	
COMS115	Introduction to Computer Science II	3	<input type="checkbox"/>	
COMS218	Database Management Systems (FA)	3	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		16		

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	
COMS114	Introduction to Computer Science I	3	<input type="checkbox"/>	
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>	
COMS230	Networks and Telecommunications (SP)	3	<input type="checkbox"/>	
MATH108	Statistics	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		16		

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
COMS239	Fundamentals of Computer Architecture (SP)	3	<input type="checkbox"/>	
INFO000	Option Elective	3	<input type="checkbox"/>	
INFO000	Option Elective	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		12		

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
PHYS110	Physics I	4	<input type="checkbox"/>
PHYS112	Physics II	4	<input type="checkbox"/>
BIOS110	Biology I	4	<input type="checkbox"/>
BIOS112	Biology II	4	<input type="checkbox"/>
CHEM110	College Chemistry I	4	<input type="checkbox"/>
CHEM112	College Chemistry II	4	<input type="checkbox"/>

Option Elective courses (Recommended)			
Recommended courses listed below but student can also choose from COMS designated course except COMS110.			
COMS120	Computer Science Applications	3	<input type="checkbox"/>
COMS142	Programming in C++	3	<input type="checkbox"/>
COMS143	Advanced Programming in C++	3	<input type="checkbox"/>
COMS210	Systems Analysis and Design	3	<input type="checkbox"/>
COMS221	Operating Systems	3	<input type="checkbox"/>
COMS223	Data Structures	3	<input type="checkbox"/>

Humanities General Education courses (Recommended)			
Choose from the list of approved General Education courses in the College catalog.			

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
ECON101	Macroeconomics	3	<input type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

INTERIOR DESIGN OPTION

A.F.A. - Studio Arts



PROGRAM DESCRIPTION:

The Associate in Fine Arts Degree (AFA): Interior Design Option develops an understanding and ability to create within the discipline of Interior Design through the study of art, history, theory, technology, and studio work. The degree is intended to provide students with the necessary portfolio to transfer seamlessly to a Bachelor of Fine Arts program majoring in Interior Design.

The objectives of this program are to:

- Exhibit competency using the elements and principles of design and composition.
- Demonstrate an ability to make connections between theory and practice.
- Demonstrate critical thinking and qualitative decision-making based on current design trends, art historical concepts, social, political, or personal issues.
- Develop a professional portfolio of artwork.

INTERIOR DESIGN OPTION

A.F.A. - Studio Arts

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations of Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
ARTA101	Basic Design	3	<input type="checkbox"/>
ARTA108	Basic Drawing	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>
ARTA115	Three Dimensional Design	3	<input type="checkbox"/>
ARTA150	Life Drawing I	3	<input type="checkbox"/>
COMS225	Computer Aided Design I	3	<input type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
ARTA103	Art History I	3	<input type="checkbox"/>
ARTA110	Introduction to Color	3	<input type="checkbox"/>
BCST112	Print Reading and Sketching	3	<input type="checkbox"/>
GRAD101	Design I	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ARTA107	History of Contemporary Art	3	<input type="checkbox"/>
COMS226	Computer Aided Design II	3	<input type="checkbox"/>
GRAD105	Vector Graphics and Page Design	3	<input type="checkbox"/>
DESN120	History of Design	3	<input type="checkbox"/>
ARTA260	Portfolio Development	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM **60**

Technology General Education courses

Choose from the list of approved General Education courses in the College catalog.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

LIBERAL ARTS A.A.



PROGRAM DESCRIPTION:

This program is structured to provide a knowledge base in languages and literature, the social sciences, humanities, mathematics, and the sciences which lay a diversified foundation for students seeking to transfer to a four-year institution. The program is also designed to accommodate students who wish to complete their liberal arts education with an associate degree. The Associate of Arts in Liberal Arts provides opportunities to develop self-understanding, global awareness, and critical thinking skills. Students may select the general option or choose one of the specialized options: Anthropology, Communications/Broadcasting, Communication/Journalism, Dramatic Arts,

Elementary/Secondary Education, English, History, Pre-Law, Psychology, Sociology. Law, government service, medicine, publishing, and teaching are only a few of the possibilities open to liberal arts graduates, because of the broad foundation achieved upon graduation.

The objectives of this program are to:

- Communicate clearly in both oral and written form.
- Demonstrate skill in critical thinking, problem-solving, and research.
- Understand basic vocabulary, facts and concepts of the humanities, social sciences and natural sciences.
- Examine the values in one's personal life and society.
- Understand the basics of a foreign language.

LIBERAL ARTS A.A.

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>	
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		15		

FALL SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>	
GMSC000	Math or Science Gen Ed Requirement	3	<input type="checkbox"/>	
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>	
GLIT000	Literature Elective	3	<input type="checkbox"/>	
LIBA000	Liberal Arts Elective	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		15		

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>	
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>	
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

SPRING SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>	
GLCA001	Global and Cultural Awareness Gen Ed Requirement	3	<input type="checkbox"/>	
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>	
LIBA000	Liberal Arts Elective	3	<input type="checkbox"/>	
LIBA000	Liberal Arts Elective	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Social Science, Humanities, Global and Cultural Awareness, History, Literature, Math and Science, Liberal Arts, Technology and Philosophy General Education courses: Choose from the list of approved courses in the College catalog.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

MACHINE TOOL TECHNOLOGY

A.A.S. - Technical Studies



PROGRAM DESCRIPTION:

The Machine Tool A.A.S program gives the students an opportunity to gain a broader knowledge and to achieve a higher skill level in machining than is offered in the one-year certificate program. Students are required to develop advanced skills in planning, designing, producing CAD prints, and setting up and operating machine tools to produce precision parts to specifications. The students receive training in programming, setting-up and operating CNC turning and machining centers. There is also a general education component integrated into the program to satisfy demands for appropriate workforce skills. Upon completing the A.A.S. degree program, students have the necessary skills to become employed as an entry-level machinist or a CNC technician.

The objectives of this program are to:

- Enter the industry as industrial machinery mechanics, machinery maintenance workers or millwrights. career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and machine-related self employment.
- Employ safety skills in an industrial setting.
- Communicate procedures and methods to other related disciplines.
- Produce parts to meet blueprint requirements on manual and computer numerical controlled machines.
- Perform programming and setup procedures on a computer numerical controlled lathe and mill.
- Integrate knowledge to design parts using computer aided drafting software.
- Apply skills to manufacture parts using computer aided machining software on computer numerical machines.
- Demonstrate professionalism with attitude, conduct and ethical work practices.

MACHINE TOOL TECHNOLOGY

A.A.S. - Technical Studies

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
MCHT103	Print & Drawing Interpretation	3	<input type="checkbox"/>
MCHT105	Machine Tool Technology I	4	<input type="checkbox"/>
MCHT115	Instruments, Tools, & Machines	2	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
TSC000 or MCHT000	Technical Studies Core or Program Elective	4	<input type="checkbox"/>
TSC000 or MCHT000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		13	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing & Communication I	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
MCHT135	Introduction to CNC Program & Operations	3	<input type="checkbox"/>
TSC000 or MCHT000	Technical Studies Core or Program Elective	4	<input type="checkbox"/>
TSC000 or MCHT000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		16	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
TSC000 or MCHT000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TSC000 or MCHT000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TSC000 or MCHT000	Technical Studies Core or Program Elective	4	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
COMS225	Computer Aided Design	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		16	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

Humanities/Social Science Gen Ed Requirement: Choose from the list of approved courses listed in the College catalog

Technical Studies Core or Program Electives Courses (Recommended)**
 Technical Studies credits may be earned for corporate, industrial, or military training programs after review by a faculty assessor of related program. Individuals without sufficient technical training experience must select courses in one of the programs/options listed below to satisfy the Technical Studies credit requirements. All courses should be selected with assistance from a faculty advisor.

MCHT125	Machine Tool Technology II (SP)	4	<input type="checkbox"/>
MCHT147	CNC Turning & Machine Centers (SP)	3	<input type="checkbox"/>
MCHT218	Machine Tool Technology III (FA)	4	<input type="checkbox"/>
MCHT225	Computer Aided Machining I (FA)	3	<input type="checkbox"/>
MCHT235	Computer Aided Machining II (SP)	3	<input type="checkbox"/>
MCHT240	Manufacturing Methods (SP)	3	<input type="checkbox"/>
MCHT280	Machine Tool Internship (SP)	4	<input type="checkbox"/>

Technology General Education courses (Recommended)
 Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

COMS110	Computer Concepts and Applications	3	<input type="checkbox"/>
---------	------------------------------------	---	--------------------------

****Select courses from one of the following programs (P)/options (O)**
 (Courses must be approved by appropriate faculty advisor):

Automotive Service Technology (P)	Diesel Service Technology (O)
Building Construction Technology (O)	Engineering Science (O)
Business Management (P)	Graphic Design (P)
Computer Information Systems (P)	Welding Technology (O)

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

MACHINE TOOL TECHNOLOGY

Certificate



PROGRAM DESCRIPTION:

The Machine Tool certificate program gives the students an opportunity to gain a broader knowledge and to achieve a higher skill level in machining than is offered in the one-year certificate program. Students are required to develop advanced skills in planning, designing, producing CAD prints, and setting up and operating machine tools to produce precision parts to specifications. The students receive training in programming, setting-up and operating CNC turning and machining centers.

There is also a general education component integrated into the program to satisfy demands for appropriate workforce skills. Upon completing the certificate program, students have the necessary skills to become employed as an entry-level machinist or a CNC technician.

Successful graduates of the Machine Tool Technology Program can:

- Enter the industry as industrial machinery mechanics, machinery maintenance workers or millwrights. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and machine-related self employment.

MACHINE TOOL TECHNOLOGY Certificate

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
MCHT103	Print and Drawing Interpretation	3	<input type="checkbox"/>
MCHT105	Machine Tool Technology I	4	<input type="checkbox"/>
MCHT115	Instruments, Tools & Machines	2	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
MCHT125	Machine Tool Technology II	4	<input type="checkbox"/>
MCHT135	Introduction to CNC Program & Operations	3	<input type="checkbox"/>
MCHT147	CNC Turning and Machine Centers	3	<input type="checkbox"/>
MCHT280	Machine Tool Internship	4	<input type="checkbox"/>
CERT000	Certificate Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		17	

SUMMER SESSION 1st YEAR

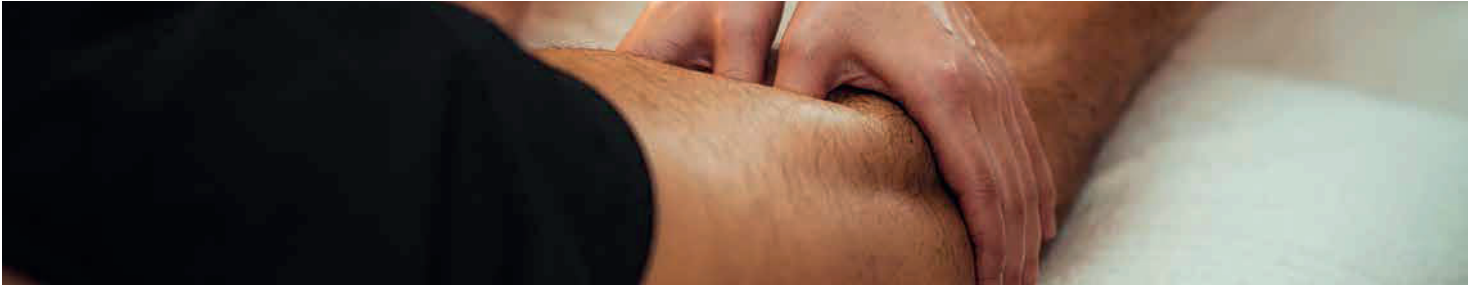
TOTAL PROGRAM	32
----------------------	-----------

Certificate Electives			
COMS110	Computer Concepts and Applications	3	<input type="checkbox"/>
MCHT225	Computer Aided Machining I	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

MASSAGE THERAPY

Certificate



PROGRAM DESCRIPTION:

The Massage Therapy Certificate program prepares students with the knowledge and skills required for practicing massage therapy. The curriculum emphasizes the fundamentals of massage therapy, massage therapy techniques, supplementary modalities, therapist-client effective communication, massage therapy ethics, law and business applications. The program also provides students with clinical experience before graduation. Upon successful completion of the MT Certificate program, students are eligible to apply for licensing as a massage therapist. The MT Certificate program prepares students to take either an examination offered by the National Certification Board for Therapeutic Massage and Bodywork (NCBTMB) or the Massage and Bodywork Licensing Examination (MBLEx) offered by the Federation of State Massage Therapy Boards (FSMTB).

Program Outcomes:

- Demonstrate factual knowledge and skills necessary to enter the massage therapy workforce.
- Correlate body structure and function to maintain health.
- Demonstrate effective use of techniques of a modality in the clinical setting.
- Integrate protocols of a given modality as needed during treatment.
- Identify contraindications to massage therapy.
- Apply ethical principles to interpersonal and communication skills; both written and verbal.
- Design a comprehensive business plan.

MASSAGE THERAPY Certificate

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>	
BIOS103	Anatomy & Physiology I	4	<input type="checkbox"/>	
MTHS110	Massage Therapy Techniques I	4	<input type="checkbox"/>	
MTHS112	Massage Therapy Techniques I	4	<input type="checkbox"/>	
TOTAL FALL SEMESTER			15	
WINTER SESSION 1 st YEAR				
SPRING SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
BIOS104	Anatomy & Physiology II	4	<input type="checkbox"/>	
EXSC201	Kinesiology	3	<input type="checkbox"/>	
HSCI115	Ethics, Communication, Business & Law	3	<input type="checkbox"/>	
MTHS135	Supplemental Modalities I	3	<input type="checkbox"/>	
MTHS137	Supplemental Modalities I	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			16	
SUMMER SESSION 1 st YEAR				
MTHS210	Massage Therapy Clinical	2	<input type="checkbox"/>	
MTHS212	Supplemental Modalities Clinical	2	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			4	
TOTAL PROGRAM			35	

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

MUSIC OPTION

A.A. - Liberal Arts



PROGRAM DESCRIPTION:

This option prepares students for transfer to a four-year college with a major in Music. Students can pursue careers in the music business, music production, music performance, and music education. According to workforce statistics, music majors can also find career opportunities in music publishing, professional music ensembles, music administration or management endeavors. Students are given the opportunity to contribute to and work on SCCC productions and workshops. Students will explore history, musicianship, theory, composition, and performance to develop an individual creative identity.

The objectives of this program are to:

- Demonstrate knowledge of the history, cultural diversity and heritage of music.
- Acquire an appreciation of music and identify a personal aesthetic.
- Recognize music as art and a universal language with organization and structure.
- Identify and articulate the components of music composition.
- Perform music from a variety of genres showing the abilities of a professional.

MATHEMATICS OPTION

A.S. - Science/Mathematics

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH113	Calculus I	4	<input type="checkbox"/>
COMS114	Introduction to Computer Science I	3	<input type="checkbox"/>
ECON101	Macroeconomics	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
MATH213	Calculus III	4	<input type="checkbox"/>
MATH215	**Linear Algebra (FA)	4	<input type="checkbox"/>
PHYS120	Physics I with Calculus	4	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
MATH114	Calculus II	4	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
ECON102	Microeconomics	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		16	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL211	Capstone for Mathematics and Chemistry	1	<input type="checkbox"/>
MATH220	Ordinary Differential Equations with Applications (SP)	4	<input type="checkbox"/>
PHYS121	Physics II with Calculus	4	<input type="checkbox"/>
MATH201	Discrete Mathematics (SP)	4	<input type="checkbox"/>
TOTAL SPRING SEMESTER		13	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities General Education courses (Recommended)		
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.		
HUMN101	Survey of World Culture I	3 <input type="checkbox"/>

Social Science General Education courses (Recommended)		
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.		
PSYC101	Introduction to Psychology	3 <input type="checkbox"/>
SOCA101	Introduction to Sociology	3 <input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

MUSICAL THEATER OPTION

A.A. - Liberal Arts



PROGRAM DESCRIPTION:

This option prepares students for transfer to a four-year college with a major in Musical Theater. This option serves as a basis for careers in Musical Theater. Students can pursue careers in the music business, music production, music performance, and music education. According to workforce statistics, music majors can also find career opportunities in music publishing, professional music ensembles, music administration or management endeavors. Students are given the opportunity to contribute to and work on SCCC productions and workshops. Students will explore history, musicianship, theory, composition, and performance to develop an individual creative identity.

The objectives of this program are to:

- Demonstrate knowledge of the history, cultural diversity and heritage of Musical Theater.
- Acquire an appreciation of music performance and identify a personal aesthetic.
- Recognize music as art and a universal language with organization and structure.
- Identify and articulate the components of music production.
- Perform acting/music from a variety of genres showing the abilities of a professional.

MUSICAL THEATER OPTION

A.A. - Liberal Arts

FALL SEMESTER 1 st YEAR				Credit Hours	<input checked="" type="checkbox"/>	FALL SEMESTER 2 nd YEAR				Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	ENGL201	Effective Speaking	3	<input type="checkbox"/>				
ENGL101	English Composition I	3	<input type="checkbox"/>	LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>				
MATH106	Mathematical Concepts	3	<input type="checkbox"/>	HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>				
MUSC105	Chorus I	1	<input type="checkbox"/>	GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>				
MUSC110	Introductory Music Theory	3	<input type="checkbox"/>	MUSC101	Music Appreciation	3	<input type="checkbox"/>				
MUSC121	Voice I or	1	<input type="checkbox"/>	MUSC002*	Applied Music II	1	<input type="checkbox"/>				
MUSC130	Piano I	1	<input type="checkbox"/>								
MUSC160	Introduction to Aural Comprehension	1	<input type="checkbox"/>								
TOTAL FALL SEMESTER				15		TOTAL FALL SEMESTER				16	
WINTER SESSION 1 st YEAR				WINTER SESSION 2 nd YEAR							
SPRING SEMESTER 1 st YEAR				Credit Hours	<input checked="" type="checkbox"/>	SPRING SEMESTER 2 nd YEAR				Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>				
GMSC000	Math or Science Gen Ed Requirement	3	<input type="checkbox"/>	HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>				
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>	GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>				
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	GLCA001	Global & Cultural Awareness Requirement	3	<input type="checkbox"/>				
MUSC102	Dance I	1	<input type="checkbox"/>	MUSC215	Musical Theater Performance I	3	<input type="checkbox"/>				
MUSC002*	Applied Music I	1	<input type="checkbox"/>								
TOTAL SPRING SEMESTER				14		TOTAL SPRING SEMESTER				15	
SUMMER SESSION 1 st YEAR				SUMMER SESSION 2 nd YEAR							
TOTAL PROGRAM				60							

Philosophy, Technology, Social Science, Global and Cultural Awareness, and Math and Science General Education courses
Choose from the list of approved courses in the College catalog.

Humanities General Education courses (Recommended)
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

ENGL208/ THEA208	History of Theater I	3	<input type="checkbox"/>
ENGL209/ THEA209	History of Theater II	3	<input type="checkbox"/>

History General Education courses
Choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.

***Applied Music I & II – Course number varies based on student's primary instrument or voice. See College catalog for choices.**

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

NEW MEDIA COMMUNICATION A.A.S.



PROGRAM DESCRIPTION:

This program is designed to prepare students for career entry in the fields of multimedia design and production and desktop/electronic publishing. The course of study is interdisciplinary in nature, integrating specialized knowledge and skills from three academic areas at Sussex County Community College: computer information systems, communications, and graphic design.

The objectives of this program are to:

- Identify and analyze effective models of communication.
- Apply basic design and computer graphics concepts to create visually aesthetic multimedia presentations.
- Use vendor-supplied multimedia materials for the development of presentation documents.
- Design and produce original interactive multimedia presentations or courseware modules using advanced-level authoring tools and intermediate computer-based production software.
- Apply the presentation planning process, including audience assessment, identification of objectives, and determination of production budget and scheduling.
- Write scripts for multimedia presentations.
- Communicate effectively with both media specialists and non-technical clients.
- Work effectively as members of a design and production team.

NEW MEDIA COMMUNICATION A.A.S.

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	
COMM101	Introduction to Mass Communication	3	<input type="checkbox"/>	
COMM130	Television Production I	3	<input type="checkbox"/>	
GRAD105	Vector Graphic and Page Design	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		15		

FALL SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>	
COMM203	Writing for the Media	3	<input type="checkbox"/>	
GRAD109	Understanding Social Media	3	<input type="checkbox"/>	
GRAD119	Theme and Templating Websites I	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		15		

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>	
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>	
GRAD128	Digital Imagery and Editing	3	<input type="checkbox"/>	
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	
GRAD142	Digital Typography and Color	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

SPRING SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL215	Journalism I	3	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
COMM220	Photojournalism	3	<input type="checkbox"/>	
GRAD235	Video and Motion Graphics	3	<input type="checkbox"/>	
GRAD290	Internship Portfolio: New Media	2	<input type="checkbox"/>	
GRAD291	Portfolio Preparation and Presentation	1	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
PHYS107	Introductory Meteorology	4	<input type="checkbox"/>

Humanities or Social Science General Education courses	
Choose from the list of approved General Education courses in the College catalog.	

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

NURSE EDUCATION PROGRAM (PCCC) A.A.S.

PROGRAM DESCRIPTION:

SCCC has entered into a unique collaboration with Passaic County Community College to enable PCCC students to obtain an outstanding nursing education here in Sussex County. In this program, students take the pre-nursing courses with SCCC. Admission to the PCCC Nursing Program is competitive. The selection at the SCCC campus is limited to 20 students. Applicants must note that at the Sussex Campus, priority is given to the residents of Sussex County, NJ and Pike County, PA only. The Sussex Campus also gives preference to applicants who have completed a majority of the required general education credits at SCCC. The priority at the PCCC campus is given to Passaic County residents with others being considered on a space availability basis. The PCCC Nurse Education Program also offers an LPN-RN mobility option.

This option allows LPNs who wish to continue their education to become an RN to get credit for Nursing I after certain admission requirements are met. Nursing II, III, and IV must be completed with the PCCC Nurse Education Program at either the SCCC Campus or the PCCC campus. Acceptance is based on several criteria and the availability of a seat in Nursing II at either campus.

Qualified students who are admitted to the PCCC Nurse Education Program, offered in conjunction with SCCC, take the clinical nursing courses with PCCC here on the SCCC campus and in clinical sites throughout northern NJ. These clinical courses comprise a four-semester sequence which begins every year in January. General education courses from the sciences and liberal arts enhance the students' understanding of clients with acute and chronic health problems. The curriculum prepares students to practice in hospitals and healthcare agencies within the framework of the American Nurses Association's Standards of Practice and the New Jersey Nurse Practice Act. Applicants for admission to the Nurse Education Program must be high school graduates or have high school equivalency diplomas (GED). They also must meet admission criteria selected to ensure that accepted candidates have the potential to succeed in a rigorous academic program.

Admission criteria are minimum standards and, in most cases, applicants accepted into the program exceed these requirements. The following requirements must be met prior to admission.

Meet PCCC admission criteria:

- Achieve satisfactory scores on the Accuplacer Placement Test for placement in college-level mathematics/English courses, OR complete the required remediation with a grade of "C" or higher.
- Complete CHEM 100 – Introduction to Chemistry with a grade of "C" or higher within the past five years. If you have not completed at least one high school laboratory science course within the past five years, it is recommended that you complete a general science laboratory course with a grade of "C" or higher.
- Achieve a passing score on the TEAS (entrance exam) with a minimum of 50% in three subject areas, Math, Reading, and English. A passing score is required but does not guarantee acceptance. Acceptance is based on a point score for three areas, GPA, Number of college credits, and results of the TEAS.
- Applicants are admitted in rank order of their point score along with other considerations listed in the program description.
- The TEAS test is offered several times each semester through the Testing Center.

The objectives of this program are to:

- Integrate into practice knowledge and skills from the sciences, liberal arts, and nursing.
- Apply the nursing process when caring for clients to promote, restore, and maintain health.
- Individualize nursing care to accommodate cultural, ethnic, and economic differences in clients and families.
- Practice nursing based on ethical considerations within the legal parameters of the Nurse Practice Act and the American Nurses Association Code of Ethics and Standards of Care.
- Communicate in an effective manner with clients, clients' families, and the interprofessional health care team.
- Demonstrate accountability for personal and professional development.
- Integrate developmental principles when caring for clients of all ages.
- Implement evidence-based clinical judgement as an associate degree nurse as a provider of care, manager of care, and member of the interprofessional health care team.
- Collaborate with the interprofessional health care team to ensure continuity of care for clients and their families.

NURSE EDUCATION PROGRAM (PCCC) A.A.S.

GENERAL EDUCATION REQUIREMENTS CREDIT HOURS

GENERAL EDUCATION REQUIREMENTS (34 Credits) Taken through SCCC

GER	COMMUNICATION	(6 cr.)	
ENGL101	English Composition I	3	<input type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>

GER	HUMANITIES*	(3 cr.)	
		3	<input type="checkbox"/>

GER	REQUIRED SCIENCE ELECTIVES	(16 cr.)	
BIOS103	Anatomy & Physiology I	4	<input type="checkbox"/>
BIOS104	Anatomy & Physiology II	4	<input type="checkbox"/>
BIOS210	Microbiology	4	<input type="checkbox"/>
CHEM100	Introductory Chemistry	4	<input type="checkbox"/>

GER	REQUIRED SOCIAL SCIENCES	(9 cr.)	
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
PSYC109	Psychology of the Human Lifespan	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

NURSING PROGRAM REQUIREMENTS** CREDIT HOURS

NURSING CORE (34 Credits) Taught at SCCC Campus for PCCC

REQ	REQUIRED COURSES	(34 cr.)	
NUR101/PCC101	Nursing I – Spring Only	7	<input type="checkbox"/>
NUR102/PCC102	Nursing II – Fall Only	8	<input type="checkbox"/>
NUR201/PCC201	Nursing III – Spring Only	9	<input type="checkbox"/>
NUR202/PCC202	Nursing IV – Fall Only	9	<input type="checkbox"/>
NUR203/PCC203	Nursing Transition – Fall Only	1	<input type="checkbox"/>

TOTAL PROGRAM 68

The A.A.S. in Nurse Education is conferred by Passaic County Community College. PCCC determines the criteria for successful completion of this program.

*Choose from the list of approved General Education courses in the College catalog.

**Applying for the nursing program is not automatic. Pre-Nursing students must formally submit an application for the nursing program. The application deadline for the nursing program is October 1 each year and the deadline for the LPN Mobility Program is February 1 each year.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

OPTICS TECHNOLOGY

A.A.S. - Technical Studies



PROGRAM DESCRIPTION:

The A.A.S Optics Technology program gives students an opportunity to gain knowledge and skills in the field of optical manufacturing, and complete integrated general education courses needed for the industry. Students will develop advanced skills in the comprehension of technical drawings, material handling, conventional grinding and polishing, optomechanical assembly, metrology, and quality control. Additionally, students receive training in programming, setting up and operating CNC grinding and polishing machines. Upon completing this A.A.S. degree program, students will have the necessary skills to become employed, as a technician, in the optics industry. Career opportunities also exist in quality control, optical coating, laser fabrication, fiber optics, and precision assemblies.

The objectives of this program are to:

- Employ safety skills in an industrial setting.
- Demonstrate knowledge and skills in conventional and CNC manufacturing of optics.
- Produce parts to meet technical drawing requirements required in both conventional and computer numerical controlled machines.
- Apply skills in metrology for the purpose of first article inspection reports.
- Perform setup procedures on a computer numerical controlled (CNC) grinding and polishing systems.
- Exhibit professionalism and ethical work practices.
- Perform assembly of multiple optical elements.
- Apply proper handling and cleaning skills of various optical elements.
- Utilize Military and ISO specifications to execute an inspection plan.

OPTICS TECHNOLOGY

A.A.S. - Technical Studies

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>	FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>	GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>	TSC000	Technical Core Elective	3	<input type="checkbox"/>
OPTC101	Fundamentals of Optics I	3	<input type="checkbox"/>	OPTC140	Conventional Optics Manufacturing I	3	<input type="checkbox"/>
OPTC107	Standards of Optics	3	<input type="checkbox"/>	TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
OPTC112	Measurement and Analysis I	3	<input type="checkbox"/>	TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15		TOTAL FALL SEMESTER		15	
WINTER SESSION 1 st YEAR				WINTER SESSION 2 nd YEAR			
SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>	SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing & Communication	3	<input type="checkbox"/>	GNED000	General Education Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>	TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>	TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
OPTC121	Ray Optics	3	<input type="checkbox"/>	TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>	TSC000 OR OPTC000	Technical Studies Core or Program Option Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15		TOTAL SPRING SEMESTER		15	
SUMMER SESSION 1 st YEAR				SUMMER SESSION 2 nd YEAR			
TOTAL PROGRAM				60			

Humanities/Social Science Gen Ed Requirement: Choose from the list of approved courses listed in the College catalog

Technical Studies Core or Program Electives Courses (Recommended)

Technical Studies credits may be earned for corporate, industrial, or military training programs after review by a faculty assessor of related program. In addition to the recommended courses, individuals without sufficient technical training experience can select courses in one of the programs/options listed below to satisfy the Technical Studies and Program Elective credit requirements. All courses should be selected with assistance from a faculty advisor.

OPTC210	Measurement and Analysis II (SP 1 st Year)	3	<input type="checkbox"/>
OPTC217	Optical Materials I (FA 2 nd Year)	3	<input type="checkbox"/>
OPTC225	CNC Optics Manufacturing I (FA 2 nd Year)	3	<input type="checkbox"/>
OPTC231	Fundamentals of Optics II (SP 2 nd Year)	3	<input type="checkbox"/>
OPTC240	Conventional Optics Manufacturing II (SP 2 nd Year)	3	<input type="checkbox"/>
OPTC247	CNC Optics Manufacturing II (SP 2 nd Year)	3	<input type="checkbox"/>
OPTC255	Advanced Optical Systems (SP 2 nd Year)	3	<input type="checkbox"/>

Technology General Education courses (Recommended)

Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

COMS110	Computer Concepts and Applications	3	<input type="checkbox"/>
---------	------------------------------------	---	--------------------------

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

OPTICS TECHNOLOGY: CNC CERTIFICATE



PROGRAM DESCRIPTION:

This program is designed to provide students with theoretical and hands on knowledge of the art and science of conventional manufacturing techniques and training in Computer Numerical Control Programming. Students will have the rare opportunity to learn from industry professionals and acquire skills for an entry level position in the manufacturing sector of the photonics industry.

Program Outcomes:

- Examine technical drawings in ISO and military specification formats, and relevant tolerances.
- Apply learned skills to manufacture optical elements based on technical drawings.
- Manufacture a spherical lens based on a technical drawing.
- Apply cumulative knowledge to polish optics to laser grade quality
- Demonstrate proper setup of grinding and polishing of aspheric lenses through discussions, problem solving and interactive demonstrations.

OPTICS TECHNOLOGY: CNC CERTIFICATE

FALL SEMESTER 1st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>	
OPTC101	Fundamentals of Optics I	3	<input type="checkbox"/>	
OPTC107	Standards of Optics	3	<input type="checkbox"/>	
OPTC112	Measurement and Analysis I	3	<input type="checkbox"/>	
OPTC225	CNC Optics Manufacturing I	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER			15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1st YEAR			Credit Hours	<input checked="" type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>	
OPTC121	Ray Optics	3	<input type="checkbox"/>	
OPTC231	Fundamentals of Optics II	3	<input type="checkbox"/>	
OPTC247	CNC Optics Manufacturing II	3	<input type="checkbox"/>	
TECH000	Technical Elective	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			15	

SUMMER SESSION 1st YEAR

TOTAL PROGRAM	30
----------------------	-----------

Technical Elective
Choose from any course with a COMS or OPTC designation.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

OPTICS TECHNOLOGY: CONVENTIONAL CERTIFICATE



PROGRAM DESCRIPTION:

This program is designed to provide students with a theoretical and hands on knowledge of the art and science of conventional manufacturing techniques. Students will have the rare opportunity to learn from industry professionals and acquire skills for an entry level position in the manufacturing sector of the photonics industry.

Program Outcomes:

- Examine technical drawings in ISO and military specification formats, and relevant tolerances.
- Apply learned skills to manufacture optical elements based on technical drawings.
- Manufacture a spherical lens based on a technical drawing.
- Apply cumulative knowledge to polish optics to laser grade quality
- Demonstrate proper setup of grinding and polishing of aspheric lenses through discussions, problem solving and interactive demonstrations.

OPTICS TECHNOLOGY: CONVENTIONAL CERTIFICATE

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
OPTC101	Fundamentals of Optics I	3	<input type="checkbox"/>
OPTC107	Standards of Optics	3	<input type="checkbox"/>
OPTC112	Measurement and Analysis I	3	<input type="checkbox"/>
OPTC140	Conventional Optics Manufacturing I	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
OPTC121	Ray Optics	3	<input type="checkbox"/>
OPTC231	Fundamentals of Optics II	3	<input type="checkbox"/>
OPTC240	Conventional Optics Manufacturing II	3	<input type="checkbox"/>
TECH000	Technical Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

TOTAL PROGRAM	30
----------------------	-----------

Technical Elective
Choose from any course with a COMS or OPTC designation.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

OPTICS TECHNOLOGY: METROLOGY CERTIFICATE



PROGRAM DESCRIPTION:

This program is designed to provide students with theoretical and hands on knowledge of the science of optical metrology. Students will acquire necessary skills for a position in the quality assurance sector of photonics industry.

Program Outcomes:

- Demonstrate an understanding of technical drawings interpretation.
- Execute first article inspection reports for flat, curved and prism optics.
- Describe fundamentals of metrology theory, error analysis and observation bias.
- Examine technical drawings in ISO and military specification formats, and relevant tolerances.
- Demonstrate an understanding of white light interferometry through discussion and problem solving.

OPTICS TECHNOLOGY: METROLOGY CERTIFICATE

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
OPTC101	Fundamentals of Optics I	3	<input type="checkbox"/>
OPTC107	Standards of Optics	3	<input type="checkbox"/>
OPTC112	Measurement and Analysis I	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
OPTC210	Measurement and Analysis II	3	<input type="checkbox"/>
OPTC231	Fundamentals of Optics II	3	<input type="checkbox"/>
TECH000	Technical Elective	3	<input type="checkbox"/>
TECH000	Technical Elective	3	<input type="checkbox"/>
TECH000	Technical Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

TOTAL PROGRAM	30
----------------------	-----------

Technical Elective
Choose from any course with a COMS or OPTC designation.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

PARALEGAL STUDIES A.A.S.



PROGRAM DESCRIPTION:

This program is structured to provide a fundamental knowledge of the law while training the student for practical application of the legal concepts learned. The program of study is career-oriented and is not designed specifically for students who plan to transfer to a four-year institution or attend law school.

The objectives of this program are to:

- Seek entry-level positions in law offices, governmental entities (courts, regulatory agencies, and law enforcement agencies, etc.), businesses and non-profit organizations.
- Demonstrate a fundamental understanding of legal issues related to litigation, family law, criminal law, contracts, business entities, wills and probate, real estate transactions, and legal research and writing.
- Assist attorneys in the preparation of a wide variety of legal documents using word processing software while assisting with office management.

PARALEGAL STUDIES A.A.S.

FALL SEMESTER 1st YEAR				Credit Hours	<input checked="" type="checkbox"/>	FALL SEMESTER 2nd YEAR				Credit Hours	<input checked="" type="checkbox"/>		
COLL101	Foundations of Success	3	<input type="checkbox"/>	PSYC101	Introduction to Psychology	3	<input type="checkbox"/>	LEGA110	Estates and Trusts (FA)	3	<input type="checkbox"/>	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	LEGA120	Family Law (FA)	3	<input type="checkbox"/>	GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	<input type="checkbox"/>	
LEGA100	Introduction to the American Legal System (FA & SP)	3	<input type="checkbox"/>	LEGA106	Civil Litigation (FA)	3	<input type="checkbox"/>	TOTAL FALL SEMESTER					
LEGA105	Legal Research and Writing I (FA)	3	<input type="checkbox"/>	TOTAL FALL SEMESTER					12				
TOTAL FALL SEMESTER				12	TOTAL FALL SEMESTER				15				
WINTER SESSION 1st YEAR				WINTER SESSION 2nd YEAR									
SPRING SEMESTER 1st YEAR				Credit Hours	<input checked="" type="checkbox"/>	SPRING SEMESTER 2nd YEAR				Credit Hours	<input checked="" type="checkbox"/>		
ENGL102	English Composition II	3	<input type="checkbox"/>	ENGL201	Effective Speaking	3	<input type="checkbox"/>	LEGA281	Paralegal Internship (FA, SP & SU)	3	<input type="checkbox"/>	<input type="checkbox"/>	
LEGA103	New Jersey Practice (SP)	3	<input type="checkbox"/>	PALG000	Program Elective	3	<input type="checkbox"/>	MASC000	Math/Science Gen Ed Requirement	3	<input type="checkbox"/>	<input type="checkbox"/>	
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>	TOTAL SPRING SEMESTER					12				
LEGA210	Legal Research and Writing II (SP)	3	<input type="checkbox"/>	TOTAL SPRING SEMESTER					15				
BUSA205	Business Law I (FA, SP & SU)	3	<input type="checkbox"/>	TOTAL SPRING SEMESTER					15				
TOTAL SPRING SEMESTER				15	TOTAL SPRING SEMESTER				12				
SUMMER SESSION 1st YEAR				SUMMER SESSION 2nd YEAR									
LEGA115	Real Estate Transactions (SU)	3	<input type="checkbox"/>	TOTAL PROGRAM					60				
BUSA206	Business Law II (SU)	3	<input type="checkbox"/>	TOTAL PROGRAM					60				
TOTAL SUMMER SESSION				6	TOTAL PROGRAM				60				

Math, Science, Humanities & Social Science General Education courses: Choose from the list of approved courses in the College catalogue.

Program Electives (Recommended)			
Recommended courses listed below but student can also choose from any LEGA course designation.			
LEGA215	Bankruptcy	3	<input type="checkbox"/>
LEGA217	Worker's Compensation	3	<input type="checkbox"/>
LEGA218	Torts	3	<input type="checkbox"/>
LEGA230	Elder Law	3	<input type="checkbox"/>
LEGA250	Special Topics in Paralegal Studies	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

PARALEGAL Certificate



PROGRAM DESCRIPTION:

This program is structured to provide a fundamental knowledge of the law while training the student for practical application of the legal concepts learned. The program of study is career-oriented and is not designed specifically for students who plan to transfer to a four-year institution or attend law school.

The objectives of this program are to:

- Seek entry-level positions in law offices, governmental entities (courts, regulatory agencies, and law enforcement agencies, etc.), businesses and non-profit organizations.
- Demonstrate a fundamental understanding of legal issues related to litigation, family law, criminal law, contracts, business entities, and legal research and writing.
- Assist attorneys in the preparation of a wide variety of legal documents using word processing software while providing office and organizational support.

PARALEGAL Certificate

FALL SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
LEGA100	Introduction to the American Legal System (FA&SP)	3	<input type="checkbox"/>
LEGA105	Legal Research and Writing I (FA)	3	<input type="checkbox"/>
LEGA106	Civil Litigation (FA)	3	<input type="checkbox"/>
LEGA120	Family Law (FA)	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
CERT000	Certificate Elective	3	<input type="checkbox"/>
BUSA205	Business Law I	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
LEGA103	New Jersey Practice (SP)	3	<input type="checkbox"/>
LEGA281	Paralegal Internship (FA&SP)	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

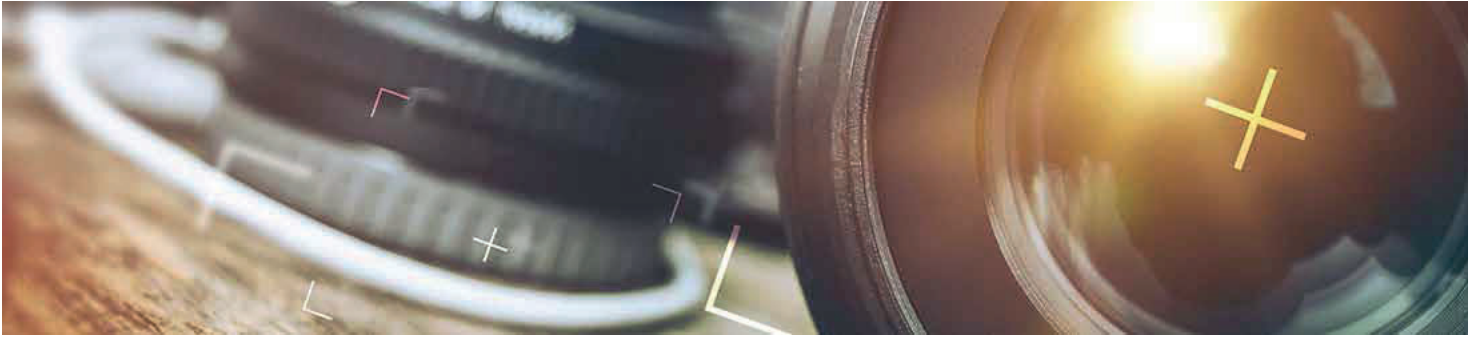
TOTAL PROGRAM	30
----------------------	-----------

Certificate Electives (Recommended)			
BUSA206	Business Law II	3	<input type="checkbox"/>
LEGA110	Estates and Trusts (FA)	3	<input type="checkbox"/>
LEGA215	Bankruptcy	3	<input type="checkbox"/>
LEGA217	Worker's Compensation	3	<input type="checkbox"/>
LEGA218	Torts	3	<input type="checkbox"/>
LEGA223	Constitutional Law (FA)	3	<input type="checkbox"/>
LEGA230	Elder Law (SP)	3	<input type="checkbox"/>
LEGA250	Special Topics in Paralegal Studies	3	<input type="checkbox"/>
LEGA215	Bankruptcy	3	<input type="checkbox"/>
LEGA217	Worker's Compensation	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

PHOTOGRAPHY OPTION

A.F.A. - Studio Arts



PROGRAM DESCRIPTION:

The Photography Option within the AFA degree prepares students to transfer into a four-year Fine Arts/ Photography Degree Program and/or develop as professionals within the field of Fine Arts Photography. The option combines fine art foundational skills and aesthetics with a contemporary approach to the photographic medium. Students in this program enjoy a unique photography experience that combines traditional chemistry, darkroom, and printing techniques with cutting edge digital technology. Classes are conducted in SCCC's new photography facilities, in the Graphic Arts computer labs and in the Fine Art Studios.

Upon completion of this program, graduates will be able to:

- Examine connections between theory and practice.
- Apply abstract relationships and elements to photographic expression.
- Apply black and white film photographic and/or digital technology to fine art photography.
- Develop qualitative decision-making based on current photographic trends and art historical concepts.
- Develop critical thinking using artistic principles drawn from contemporary social, political, or personal issues.
- Create a portfolio.

PHOTOGRAPHY OPTION

A.F.A. - Studio Arts

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundation for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
ARTA103	Art History I	3	<input type="checkbox"/>
ARTA101	Basic Design	3	<input type="checkbox"/>
PHOT109	Introduction to Photography	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
PHOT120	History of Photography	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>
ARTA115	Three Dimensional Design	3	<input type="checkbox"/>
PHOT110	Photography I	3	<input type="checkbox"/>
ARTA002	Studio Art Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
ARTA108	Basic Drawing	3	<input type="checkbox"/>
ARTA110	Introduction to Color	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ARTA185	Digital Fine Art	3	<input type="checkbox"/>
PHOT112	Photography II	3	<input type="checkbox"/>
ARTA002	Studio Art Elective	3	<input type="checkbox"/>
ARTA002	Studio Art Elective	3	<input type="checkbox"/>
PHOT260	Portfolio Development/ Capstone for Photography	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Studio Art Elective courses (Recommended)			
Recommended courses listed below but student can also choose from any ARTA, PHOT or ARTA/PHOT designations.			
PHOT203	Documentary/Photojournalism	3	<input type="checkbox"/>
PHOT205	Studio Photography	3	<input type="checkbox"/>
ARTA/PHOT135	Alternative Processes	3	<input type="checkbox"/>

Technology General Education courses	
Choose from the list of approved General Education courses in the College catalog.	

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

POLITICAL SCIENCE OPTION

A.A. - Liberal Arts



PROGRAM DESCRIPTION:

The Political Science Option is primarily designed to prepare students to transfer into the junior year of a baccalaureate degree program in political science. In addition, students seeking admission into pre-law or public administration programs would receive a solid academic foundation upon which to build a successful major.

The objectives of this program are to:

- Demonstrate general knowledge of social science inquiry and research.
- Describe the interconnection between economics, history, society and culture and analyze the effects of these influences on political policies and events.
- Provide examples of the impact of both individual and collective action upon our political world.
- Demonstrate an understanding of political theories and their impact on our world.
- Apply classroom knowledge and engage the political process as active citizens.
- Communicate clearly in both oral and written form.
- Demonstrate critical thinking and problem solving skills.

POLITICAL SCIENCE OPTION

A.A. - Liberal Arts

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
POLS101	Introduction to Political Science	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
POLS000	Political Science Option Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
ANTH110	Physical Anthropology	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
POLS000	Political Science Option Elective	3	<input type="checkbox"/>
COLL201	Capstone for Liberal Arts	1	<input type="checkbox"/>
TOTAL SPRING SEMESTER		14	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM **60**

Philosophy, Science, Technology, and Social Science General Education courses: Choose from the list of approved courses in the College catalog.

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved Humanities General Education courses in the College catalog.			
AMLS101	American Sign Language I	3	<input type="checkbox"/>
AMLS102	American Sign Language II	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>

History General Education courses	
Choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.	

Political Science Option Electives (Choose 2 courses)			
POLS105	American Government	3	<input type="checkbox"/>
POLS106	State and Local Government	3	<input type="checkbox"/>
POLS109	Modern Political Ideologies	3	<input type="checkbox"/>
POLS110	International Relations	3	<input type="checkbox"/>
POLS223	Constitutional Law	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

PRE-LAW OPTION

A.A. - Liberal Arts



PROGRAM DESCRIPTION:

Program Goals for Sussex County Community College's Pre-Law Liberal Arts Option: Prepare students seeking admission to law school for rigorous graduate level academic curriculum by developing those skills particularly important to the study and practice of law. Utilize an interdisciplinary approach emphasizing development of critical thinking, writing and analytical skills. Provide students a curriculum in legal theory that will provide a stimulating, thought-provoking educational experience while providing a foundation upon which to facilitate and promote student success in law school.

The objectives of this program are to:

- Develop critical thinking, writing and analytical skills essential to the study and practice of law.
- Know the fundamental concepts of the American Legal System which will facilitate success in the rigorous study of law.
- Acquire an interdisciplinary education necessary for success in the rigorous study of law.
- Gain insight into and familiarity with the practice of law.

PRE-LAW OPTION

A.A. - Liberal Arts

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>	FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations of Success	3	<input type="checkbox"/>	LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>	POLS223/ LEGA223	Constitutional Law (FA)	3	<input type="checkbox"/>
MATH106	Mathematical Concepts	3	<input type="checkbox"/>	GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
POLS111/ LEGA100	Introduction to the American Legal System (FA & SP)	3	<input type="checkbox"/>	LEGA105	Legal Research and Writing I (FA)	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15		TOTAL FALL SEMESTER		15	
WINTER SESSION 1 st YEAR				WINTER SESSION 2 nd YEAR			
SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>	SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	GMSC000	Math/Science Gen Ed Requirement	3	<input type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>	PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>	PRLW000	Option Elective	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	GLCA001	Global & Cultural Awareness Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15		TOTAL SPRING SEMESTER		15	
SUMMER SESSION 1 st YEAR				SUMMER SESSION 2 nd YEAR			
TOTAL PROGRAM						60	

Global and Cultural Awareness, Technology, Humanities, Social Science, and Philosophy General Education courses: Choose from the list of approved courses in the College catalog.

History General Education courses

Choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.

Math and Science General Education courses

Choose from the list of approved Math and Science General Education courses in the College catalog.

Program Option Electives

Choose from BUSA205 or any LEGA course designation.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

PRE-MEDICAL/DENTAL OPTION

A.S. - Science/Mathematics



PROGRAM DESCRIPTION:

This option under the AS in Science prepares students for transfer to four-year colleges with a major in pre-medicine or pre-dentistry programs.

According to the National Research Council, students should be able to demonstrate that:

- Science is an evidence-based way of thinking about the natural world and understanding how it operates.
- Science is a process with rules of operation that allow our understanding of the natural world to evolve.
- Science is based on reproducible evidence and observations that contain uncertainties.
- The sciences are related to each other, mathematics, and everyday life.
- Science is driven by globalization, technology, and new instrumentation and measurement tools.
- Scientific meanings of theory and law are different than popular meanings.

PRE-MEDICAL/DENTAL OPTION

A.S. - Science/Mathematics

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	
BIOS110	Biology I	4	<input type="checkbox"/>	
CHEM110	College Chemistry I	4	<input type="checkbox"/>	
TOTAL FALL SEMESTER		14		

FALL SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
CHEM210	Organic Chemistry I (FA)	5	<input type="checkbox"/>	
PHYS110	Physics I	4	<input type="checkbox"/>	
MATH114	Calculus II	4	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER		16		

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>	
MATH113	Calculus I	4	<input type="checkbox"/>	
BIOS112	Biology II	4	<input type="checkbox"/>	
CHEM112	College Chemistry II	4	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

SPRING SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
CHEM212	Organic Chemistry II (SP)	5	<input type="checkbox"/>	
PHYS112	Physics II	4	<input type="checkbox"/>	
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER		15		

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM **60**

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
AMSL101	American Sign Language I	3	<input type="checkbox"/>
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
PHIL205	Contemporary Ethical Issues	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

PRE-NUTRITION/DIETETIC OPTION

A.S. - Science/Mathematics



PROGRAM DESCRIPTION:

This option under the AS in Science prepares students for transfer to four-year colleges with a major in pre-nutrition or pre-dietetic programs.

According to the National Research Council, students should be able to demonstrate that:

- Science is an evidence-based way of thinking about the natural world and understanding how it operates.
- Science is a process with rules of operation that allow our understanding of the natural world to evolve.
- Science is based on reproducible evidence and observations that contain uncertainties.
- The sciences are related to each other, mathematics, and everyday life.
- Science is driven by globalization, technology, and new instrumentation and measurement tools.
- Scientific meanings of theory and law are different than popular meanings.

PRE-NUTRITION/DIETETIC OPTION

A.S. - Science/Mathematics

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH110	Pre-Calculus I	3	<input type="checkbox"/>
CHEM110	College Chemistry I	4	<input type="checkbox"/>
BIOS110	Biology I	4	<input type="checkbox"/>
TOTAL FALL SEMESTER		17	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
CHEM210	Organic Chemistry I (FA)	5	<input type="checkbox"/>
BIOS150	Nutrition, Fitness and Wellness (FA)	3	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		14	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
CHEM112	Chemistry II	4	<input type="checkbox"/>
BIOS112	Biology II	4	<input type="checkbox"/>
BIOS107	Nutrition Fundamentals	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		17	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
CHEM212	Organic Chemistry II (SP)	5	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
COLL210	Capstone for Biological and Clinical Sciences	1	<input type="checkbox"/>
TOTAL SPRING SEMESTER		12	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

Humanities General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
AMSL101	American Sign Language I	3	<input type="checkbox"/>
HUMN101	Survey of World Culture I	3	<input type="checkbox"/>
PHIL205	Contemporary Ethical Issues	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)			
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.			
ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

PSYCHOLOGY OPTION

A.A. - Liberal Arts



PROGRAM DESCRIPTION:

The Psychology Option is primarily designed to prepare students to transfer into the junior year of a baccalaureate degree program in psychology. In addition, students seeking admission into pre-law or public administration.

The objectives of this program are to:

- Demonstrate problem-solving skills in the study of social science processes.
- Apply classroom knowledge to real-world situations.
- Demonstrate an understanding of social science issues on local, national and global levels.

PSYCHOLOGY OPTION

A.A. - Liberal Arts

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
PSYC237	Multicultural Psychology	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
PSYC001	Psychology Option Required Course	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		16	

WINTER SESSION 2nd YEAR

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
PSYC001	Psychology Option Required Course	3	<input type="checkbox"/>
COLL207	Capstone in Psychology	1	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
TOTAL SPRING SEMESTER		14	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM **60**

Philosophy and Technology General Education courses
Choose from the list of approved courses in the College catalog.

History General Education courses
Choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.

Humanities General Education courses (Recommended)
Recommended courses listed below but student can also choose from the list of approved Humanities General Education courses in the College catalog.

AMLS101	American Sign Language I	3	<input type="checkbox"/>
AMLS102	American Sign Language II	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>
SPAN102	Elementary Spanish II	3	<input type="checkbox"/>

Social Science General Education courses (Recommended)
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

ANTH101	Introduction to Anthropology	3	<input type="checkbox"/>
PSYC109	Psychology of the Human Lifespan	3	<input type="checkbox"/>
PSYC111	Child Psychology	3	<input type="checkbox"/>
PSYC212	Adolescent Psychology	3	<input type="checkbox"/>
PSYC215	Psychology of Adult Development and Aging	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Psychology Option Required Courses (choose two)

PSYC109	Psychology of the Human Lifespan	3	<input type="checkbox"/>
PSYC111	Child Psychology	3	<input type="checkbox"/>
PSYC201	Abnormal Psychology	3	<input type="checkbox"/>
PSYC203	Theories of Personality	3	<input type="checkbox"/>
PSYC205	Psychology of Gender	3	<input type="checkbox"/>
PSYC210	Social Psychology	3	<input type="checkbox"/>
PSYC212	Adolescent Psychology	3	<input type="checkbox"/>
PSYC215	Psychology of Adult Development and Aging	3	<input type="checkbox"/>
PSYC280	Educational Psychology	3	<input type="checkbox"/>

Science General Education courses
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

BIOS102	Introduction to Human Biology	4	<input type="checkbox"/>
---------	-------------------------------	---	--------------------------

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

SOCIAL MEDIA MARKETING OPTION

A.A.S. - Graphic Design



PROGRAM DESCRIPTION:

Graphic designers combine artistic ability with technical knowledge to create designs used in print and electronic media that inform, motivate, educate or sell. The objective of this focused multimedia program is designed to provide traditional techniques and the dynamic structure of current computer-based technology. The program will build the groundwork for a career and provide real time in a simulated work environment while preparing a competitive portfolio. Students will develop initiative and critical thinking skills needed to compete in the global market place. Approximately one-half of all program graduates go on to complete a baccalaureate degree in graphic design, film, video, illustration or game art.

The objectives of this program are to:

- Analyze the history of visual culture and design theory, and apply historical relevance in the context of modern industry issues and trends.
- Execute technical, aesthetic, and conceptual decisions based on understanding the functions of graphic design, illustration, web design and animation.
- Implement current and emerging technologies using both PC and Macintosh platforms as production tools.
- Utilize problem solving techniques and critical thinking skills across a wide range of media to capture the attention of intended audiences.
- Collaborate with diverse teams of creative contributors, production personnel and clients while working with creative constraints and deadlines.
- Apply knowledge of intellectual property issues.
- Produce a professional portfolio in both traditional and digital formats.
- Qualify for various entry-level industry positions, including desktop publishing, graphic designers, production artists, web designers, digital image processors, digital illustrators and assistant art directors.

SOCIAL MEDIA MARKETING OPTION

A.A.S. - Graphic Design

FALL SEMESTER 1 st YEAR				Credit Hours	<input checked="" type="checkbox"/>	FALL SEMESTER 2 nd YEAR				Credit Hours	<input checked="" type="checkbox"/>	
COLL101	Foundations for Success	3	<input type="checkbox"/>	3	<input type="checkbox"/>	ARTA103	Art History I	3	<input type="checkbox"/>	3	<input type="checkbox"/>	
ENGL101	English Composition I	3	<input type="checkbox"/>	3	<input type="checkbox"/>	BUSA 220	Principles of Marketing	3	<input type="checkbox"/>	3	<input type="checkbox"/>	
GRAD101	Design I	3	<input type="checkbox"/>	3	<input type="checkbox"/>	GRAD122	Typography and Layout	3	<input type="checkbox"/>	3	<input type="checkbox"/>	
GRAD105	Vector Graphic and Page Design	3	<input type="checkbox"/>	3	<input type="checkbox"/>	GRAD119	Theme and Templating Websites I	3	<input type="checkbox"/>	3	<input type="checkbox"/>	
GRAD109	Understanding Social Media	3	<input type="checkbox"/>	3	<input type="checkbox"/>	GRAD219	Social Media Campaigns	3	<input type="checkbox"/>	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER				15		TOTAL FALL SEMESTER				15		
WINTER SESSION 1 st YEAR						WINTER SESSION 2 nd YEAR						
SPRING SEMESTER 1 st YEAR				Credit Hours	<input checked="" type="checkbox"/>	SPRING SEMESTER 2 nd YEAR				Credit Hours	<input checked="" type="checkbox"/>	
ENGL201	Effective Speaking	3	<input type="checkbox"/>	3	<input type="checkbox"/>	ARTA104	Art History II	3	<input type="checkbox"/>	3	<input type="checkbox"/>	
BUSA101	Introduction to Business	3	<input type="checkbox"/>	3	<input type="checkbox"/>	GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>	3	<input type="checkbox"/>	
MAST000	Math/Science/Technology Gen Ed Requirement	3	<input type="checkbox"/>	3	<input type="checkbox"/>	GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>	3	<input type="checkbox"/>	
COMS155	Website Development I	3	<input type="checkbox"/>	3	<input type="checkbox"/>	GRAD235	Video and Motion Graphics	3	<input type="checkbox"/>	3	<input type="checkbox"/>	
GRAD128	Digital Imagery and Editing	3	<input type="checkbox"/>	3	<input type="checkbox"/>	GRAD280	Graphic Design Internship	2	<input type="checkbox"/>	2	<input type="checkbox"/>	
						GRAD281	Portfolio Preparation and Presentation	1	<input type="checkbox"/>	1	<input type="checkbox"/>	
TOTAL SPRING SEMESTER				15		TOTAL SPRING SEMESTER				15		
SUMMER SESSION 1 st YEAR						SUMMER SESSION 2 nd YEAR						
						TOTAL PROGRAM						60

Math, Science, Technology, Humanities & Social Science General Education courses: Choose from the list of approved courses in the College catalog.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

SOCIOLOGY OPTION

A.A. - Liberal Arts



PROGRAM DESCRIPTION:

The Sociology Option is primarily designed to prepare students to transfer into the junior year of a baccalaureate degree program in sociology. In addition, students seeking admission into criminology, criminal justice, pre-law, or public administration programs would receive a solid academic foundation on which to build.

The objectives of this program are to:

- Form hypotheses and execute research methodologies.
- Identify ethical and methodological issues in sociological research.
- Demonstrate an understanding of core sociological theories and basic sociological concepts.
- Apply classroom knowledge to social issues such as crime, racism, poverty, family formation and religion.
- View society from alternative perspectives.

SOCIOLOGY OPTION

A.A. - Liberal Arts

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
SOCA000	Program Elective	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		16	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
SOCA215	Perspectives on Race, Gender, Class, Culture	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ANTH110	Physical Anthropology	3	<input type="checkbox"/>
HIST001	History Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	4	<input type="checkbox"/>
COLL201	Capstone for Liberal Arts	1	<input type="checkbox"/>
TOTAL SPRING SEMESTER		14	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

Philosophy, Science, and Technology General Education courses: Choose from the list of approved courses in the College catalog.

Humanities General Education courses (Recommended)
Recommended courses listed below but student can also choose from the list of approved Humanities General Education courses in the College catalog.

AMLS101	American Sign Language I	3	<input type="checkbox"/>
AMLS102	American Sign Language II	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>
SPAN101	Elementary Spanish I	3	<input type="checkbox"/>

Science General Education courses (Recommended)
Recommended courses listed below but student can also choose from the list of approved Science General Education courses in the College catalog.

BIOS102	Human Biology	4	<input type="checkbox"/>
BIOS122	Introduction to Environmental Science	4	<input type="checkbox"/>

History General Education courses
Choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.

Sociology Option Electives (choose one)

ECON101	Macroeconomics	3	<input type="checkbox"/>
SOCA201	Deviant Behavior	3	<input type="checkbox"/>
SOCA202	Sociology of Sports	3	<input type="checkbox"/>
SOCA203	Social Research Methods	3	<input type="checkbox"/>
SOCA207	Sociology of Religion	3	<input type="checkbox"/>
SOCA208	Sociology of the Family	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

STUDIO ARTS

A.F.A.



PROGRAM DESCRIPTION:

This program seeks to assist students in becoming professionals in the field of art and nurtures a sense of artistic freedom and creativity while developing a strong sense of artistic discipline. Students will be encouraged to be inventive but proficient within the framework of a traditional approach to drawing. To become tomorrow's visionary means understanding the significance and uniqueness of one's own time and space defined by the limitless possibilities of personal expression within the boundaries of a universal language. Commitment to a balanced learning process combining fine art fundamentals (drawing/painting/seeing) with life experience and aesthetic theory will prepare students for a four-year institution or a career in fine art. The primary objective is to provide an environment in which students can achieve a degree of professionalism as technically competent and creative individuals. A sequential course of study will be required.

Students in the Associate of Fine Arts Degree Program at Sussex County Community College are given the opportunity to present their work at the student art exhibit and in the Idiom & Image as well as other College publications.

The objectives of this program are to:

- Display an understanding of abstract relationships and elements, and their expressive potential.
- Exhibit an understanding of form and composition in drawing from the human figure.
- Demonstrate an ability to make connections between theory and practice.
- Demonstrate qualitative decision-making based on current art trends and art historical concepts.
- Demonstrate critical thinking using artistic principles drawn from contemporary social, political, or personal issues.
- Develop a portfolio of artwork.
- Students are expected to provide their own materials and textbooks. Lab fees provide studio time and assistance for art students. See list of "Open Studio Hours" posted in each art studio during the first week of the semester.

STUDIO ARTS A.F.A.

FALL SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
ARTA103	Art History I	3	<input type="checkbox"/>
ARTA101	Basic Design	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ARTA115	Three Dimensional Design	3	<input type="checkbox"/>
ARTA150	Life Drawing I	3	<input type="checkbox"/>
ARTA180	Painting I	3	<input type="checkbox"/>
ARTA002	Studio Arts Elective	3	<input type="checkbox"/>
ARTA002	Studio Arts Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
ARTA108	Basic Drawing	3	<input type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
ARTA110	Introduction to Color	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ARTA107	History of Contemporary Art	3	<input type="checkbox"/>
ARTA201	Painting II	3	<input type="checkbox"/>
ARTA002	Studio Arts Elective	3	<input type="checkbox"/>
ARTA002	Studio Arts Elective	3	<input type="checkbox"/>
ARTA260	Portfolio Development	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM **60**

Technology General Education courses
Choose from the list of approved General Education courses in the College catalog.

Studio Arts Electives (Recommended)			
Recommended courses listed below but student can also choose from any ARTA course designations.			
ARTA175	Ceramics I	3	<input type="checkbox"/>
ARTA185	Digital Fine Art I	3	<input type="checkbox"/>
ARTA156	Life Drawing II	3	<input type="checkbox"/>
ARTA200	Watercolor	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

SUPPLY CHAIN MANAGEMENT

A.A.S. - Technical Studies



PROGRAM DESCRIPTION:

This program is designed to prepare students for immediate entry into the workforce. The program provides students with fundamental business knowledge, logistics and transportation, skills in inventory control, warehouse management, and supervision for careers in the Supply Chain Management Industry.

Upon completion of this program, graduates will be able to:

- Apply knowledge of business and management with a focus on the function of Supply Chain Management.
- Execute the functions and activities of a Supply Chain Management professional.
- Demonstrate technical competence associated to the Supply Chain Management Industry.
- Utilize leadership skills and employment success strategies in an organizational culture.
- Collaborate in teams where there are diverse populations connecting supply chains and logistics networks
- Communicate industry functions in a professional written and oral manner.
- Interpret basic financial statements and managerial reports.
- Exhibit strong business practices and work ethic appropriate to the Supply Chain Management Industry.

SUPPLY CHAIN MANAGEMENT

A.A.S. - Technical Studies

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
SCMG101	Principles of Supply Chain Management	3	<input type="checkbox"/>
SCMG105	Purchasing Management and Principles	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
MATH108	Statistics	3	<input type="checkbox"/>
ACCT102	Accounting Principles II – Managerial	3	<input type="checkbox"/>
ECON101	Macroeconomics	3	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
BUSA205	Business Law I	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
ACCT101	Accounting Principles I – Financial	3	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
SCMG110	Essentials of Inventory Management	3	<input type="checkbox"/>
SCMG215	Warehouse Distribution	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
BUSA120	Small Business Management (SP)	3	<input type="checkbox"/>
BUSA125	Principles of Supervision (SP)	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
SCMG115	Shipping, Receiving and Logistics	3	<input type="checkbox"/>
SCMG225	Key Performance Indicators and Benchmarking	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM	60
----------------------	-----------

Humanities & General Education courses: Choose from the list of approved courses in the College catalog.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

SUPPLY CHAIN MANAGEMENT

Certificate



PROGRAM DESCRIPTION:

This certificate provides students with knowledge of logistics and transportation, skills in inventory control, warehouse management, and supervision for careers in the Supply Chain Management Industry.

The objectives of this program are to:

- Apply knowledge of the major Supply Chain Management functions and activities.
- Demonstrate technical competence associated to the Supply Chain Management Industry.
- Collaborate in an organizational culture where there are diverse populations connecting supply chains and logistics networks.
- Communicate professionally in a written and oral manner.
- Interpret basic financial statements and managerial reports.
- Exhibit strong business practices and work ethic appropriate to the Supply Chain Management Industry.

SUPPLY CHAIN MANAGEMENT

Certificate

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
BUSA101	Introduction to Business	3	<input type="checkbox"/>
ACCT101	Accounting Principles I – Financial	3	<input type="checkbox"/>
SCMG101	Principles of Supply Chain Management	3	<input type="checkbox"/>
SCMG105	Purchasing Management and Principles	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	
WINTER SESSION 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
TOTAL WINTER SESSION		3	
SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
BUSA120	Small Business Management (SP)	3	<input type="checkbox"/>
BUSA205	Business Law I	3	<input type="checkbox"/>
SCMG110	Essentials of Inventory Management	3	<input type="checkbox"/>
SCMG115	Shipping, Receiving and Logistics	3	<input type="checkbox"/>
SCMG215	Warehouse Distribution	3	<input type="checkbox"/>
SCMG225	Key Performance Indicators and Benchmarking	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		18	
SUMMER SESSION 1 st YEAR			
TOTAL PROGRAM		36	

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

TECHNICAL STUDIES

A.A.S.



PROGRAM DESCRIPTION:

Provide recognition for work and experience while assisting individuals in their preparation for career advancement or change. This program is designed to provide skills for personal, professional and community improvement. The program is highly individualized and flexible. Technical Studies credits may be earned for corporate, industrial, or military training programs after review processes. Graduates will be awarded the associate in applied science degree upon successful completion of this program.

The objectives of this program are to:

- Formulate an educational plan designed to accomplish a personal/professional goal.
- Demonstrate an attitude of responsibility to self, employer and community.
- Advance in career, building on already acquired skills and competencies
- Display increased technical knowledge and skills.
- Demonstrate the comprehensive mathematical, scientific, social and psychological skills necessary for personal career growth.
- Present technical information in effective oral, written and technical form.

TECHNICAL STUDIES A.A.S.

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing & Communication	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
TSC000 OR TSRQ000	Technical Studies Core or Required Course	3	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities or Social Science General Education Requirements: Choose from the list of approved Humanities or Social Science courses listed in the College catalog

Technical Studies Core or Technical Studies Required Courses
 Technical Studies credits may be earned for corporate, industrial, or military training programs after review by a faculty assessor of related program. Individuals without sufficient technical training experience must select courses in one of the programs/options listed below to satisfy the Technical Studies credit requirements. All courses should be selected with assistance from a faculty advisor.

Technology General Education courses (Recommended)
 Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
---------	----------------------------------	---	--------------------------

Select courses from one of the following programs(P)/options(O) – (Courses must be approved by appropriate faculty advisor):

Agricultural Business (P)	Computer Information Systems (P)	Horticultural Science (P)
Automotive Service Technology (P)	Diesel Service Technology (O)	Machine Tool Technology (O)
Building Construction Technology (O)	Electronic Music & Recording (O)	New Media Communications (P)
Business Management (P)	Engineering Science (O)	Welding Technology (O)
Cosmetology (O)	Graphic Design (P)	

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

TECHNICAL THEATER

A.A.S. - Technical Studies



PROGRAM DESCRIPTION:

The Technical Theater degree provides hands-on practical training and experimental learning in several areas of technical theatre production. Emphasis is on developing skills in modern production technology including constructing and rigging scenery, hanging and focusing of lighting, design and procurement of costumes, make-up, stage management, audio engineering and procurement of props. Students will have the opportunity to participate in live productions.

The objectives of this program are to:

- Demonstrate well developed personal skills in the workplace and as part of crew.
- Investigate and problem solve as an individual and in a collaborative team setting.
- Integrate the techniques of creative process into the production area.
- Employ the tools, technology and skills required to problem solve for production.
- Understand and interpret the design areas into a realized form for performance.

TECHNICAL THEATER

A.A.S. - Technical Studies

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
GRAD101	Design I	3	<input type="checkbox"/>
GRAD107	Drawing for Designers	3	<input type="checkbox"/>
TSC000 OR TCTH000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TSC000 OR TCTH000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing & Communication	3	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
ARTA115	Three Dimensional Design	3	<input type="checkbox"/>
TSC000 OR TCTH000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TSC000 OR TCTH000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
MATH105	Technical Mathematics	3	<input type="checkbox"/>
GTEC000	Technology Gen Ed Requirement	3	<input type="checkbox"/>
TSC000 OR TCTH000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TSC000 OR TCTH000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TSC000 OR TCTH000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
MUCS155	Live Sound Production	3	<input type="checkbox"/>
GNED000	General Education Requirement	3	<input type="checkbox"/>
TSC000 OR TCTH000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>
THEA240	Set Design and Construction	3	<input type="checkbox"/>
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Technical Studies Core or Program Elective Courses (Recommended)**

Technical Studies credits may be earned for corporate, industrial, or military training programs after review by a faculty assessor of related program. Individuals without sufficient technical training experience must select courses in one of the programs/options listed below to satisfy the Technical Studies credit requirements. All courses should be selected with assistance from a faculty advisor.

ARTA108	Basic Drawing	3	<input type="checkbox"/>
ARTA110	Introduction to Color	3	<input type="checkbox"/>
THEA102	Acting I	3	<input type="checkbox"/>
THEA130	Stage and Theater Make-up	3	<input type="checkbox"/>
THEA135	Properties and Set Augmentation	3	<input type="checkbox"/>
THEA230	Theater and Event Lighting	3	<input type="checkbox"/>
THEA235	Costume Technology	3	<input type="checkbox"/>
THEA245	Stage Management	3	<input type="checkbox"/>

Technology General Education courses (Recommended)

Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
---------	----------------------------------	---	--------------------------

Humanities General Education courses: Choose from the list of approved courses in the College catalog.

General Education courses (Recommended): Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

THEA208	Theater History I	3	<input type="checkbox"/>
THEA209	Theater History II	3	<input type="checkbox"/>

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

THEATER ARTS OPTION

A.A. - Liberal Arts



PROGRAM DESCRIPTION:

This option prepares students for transfer to a four-year college with a major in Theater and Educational Theater. This option serves as a basis for careers in television, motion pictures, stage and commercial or educational dramatic endeavors. Students are given the opportunity to contribute to and work on SCCC productions and workshops. In addition, the students are given the opportunity to attend professional productions off campus.

The objectives of this program are to:

- Stage a scene or monologue.
- Develop and perform on stage a character from a script or from improvisation.
- Work as part of an ensemble to perform in and/or to do the technical preparations to produce a play.
- Identify critical aspects of dramatic literature and theater history.
- Examine and critique theatre performances.

THEATER ARTS OPTION

A.A. - Liberal Arts

FALL SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COLL101	Foundations for Success	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
MATH900	Math Gen Ed Requirement	3	<input type="checkbox"/>
GHMN000	Humanities Gen Ed Requirement	3	<input type="checkbox"/>
THEA102	Acting I	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

FALL SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL201	Effective Speaking	3	<input type="checkbox"/>
MATH106	Mathematical Concepts	3	<input type="checkbox"/>
HIST000	History Gen Ed Requirement	3	<input type="checkbox"/>
PHIL000	Philosophy Gen Ed Requirement	3	<input type="checkbox"/>
THEA120	Performance and Production I	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ENGL102	English Composition II	3	<input type="checkbox"/>
THEA208/ ENGL208*	History of Theater I (SP)	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
THEA103	Acting II (SP)	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SPRING SEMESTER 2 nd YEAR		Credit Hours	<input checked="" type="checkbox"/>
HIST000	History Gen Ed Requirement	3	<input type="checkbox"/>
LSCI000	Science Gen Ed Requirement	3	<input type="checkbox"/>
GSOC000	Social Science Gen Ed Requirement	3	<input type="checkbox"/>
SOCA215	Perspectives on Race, Gender, Class and Culture	3	<input type="checkbox"/>
THEA110	Theater Workshop I	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM **60**

Philosophy General Education courses
Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

PHIL110	Philosophy and the Meaning of Life	3	<input type="checkbox"/>
---------	------------------------------------	---	--------------------------

***Student can also take THEA209/ENGL209 History of Theater II**

History General Education courses
Choose from the list of approved History General Education courses in the College catalog. Must choose a level I & II sequence.

Social Science General Education courses (Recommended)
Recommended courses listed below but student can also choose from the list of approved Social Science General Education courses in the College catalog.

PSYC101	Introduction to Psychology	3	<input type="checkbox"/>
SOCA101	Introduction to Sociology	3	<input type="checkbox"/>

Humanities, Global and Cultural Awareness, Technology, and Math and Science General Education courses: Choose from the list of approved courses in the College catalog.

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

WEB DESIGN CERTIFICATE



PROGRAM DESCRIPTION:

This one-year certificate program is designed to prepare students for entry-level positions in various careers requiring commercial art and/or communication design production skills. The program's courses include the rapidly advancing technology of computer graphics and hands-on training in typography, layout production, and design fundamentals. The credits acquired in this program are applicable toward the A.A.S. in Graphic Design.

The objectives of this program are to:

- Demonstrate entry-level professional Photoshop skills including selecting, editing, retouching, and compositing images.
- Exhibit a refined use of color appropriate for each client and project.
- Research and select appropriate typefaces and design typography to support the branding or communication goal of a particular client or project.
- Utilize a professional design process including research, concept development to create professional level Web page designs.
- Create a consistent, visually appealing web page layouts utilizing Web Editors, hand-coding using HTML and CSS.
- Utilize a computer as a production tool.

WEB DESIGN CERTIFICATE

FALL SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
ARTA104	Art History II	3	<input type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>
COMS155	Website Development I	3	<input type="checkbox"/>
GRAD105	Vector Graphics and Page Design	3	<input type="checkbox"/>
GRAD109	Understanding Social Media	3	<input type="checkbox"/>
TOTAL FALL SEMESTER		15	
WINTER SESSION 1st YEAR			
SPRING SEMESTER 1st YEAR		Credit Hours	<input checked="" type="checkbox"/>
COMS114	Introduction to Computer Science	3	<input type="checkbox"/>
COMS156	Website Development II	3	<input type="checkbox"/>
GRAD119	Theme and Templating Websites I	3	<input type="checkbox"/>
GRAD128	Digital Imagery and Editing	3	<input type="checkbox"/>
GRAD142	Digital Typography and Color	3	<input type="checkbox"/>
TOTAL SPRING SEMESTER		15	
SUMMER SESSION 1st YEAR			
TOTAL PROGRAM		30	

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

WELDING

A.A.S. - Technical Studies



PROGRAM DESCRIPTION:

The Welding Technology Program provides students with a comprehensive understanding of the science, technology, and applications essential for successful employment in the welding and metal industry. In addition to gaining an overall understanding of welding machines, weld processes and hands-on proficiency, students develop skills in the areas of print reading, welding symbols, metallurgy, weld inspection, destructive and non-destructive testing. Students gain important knowledge and skills necessary to prepare them for weld qualification to code specifications. Students perform quality welds and cuts, evaluate welds to industry standards, operate metal fabricating equipment and apply communication skills in the work environment.

Successful graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Upon completion of this program, graduates will be able to:

- Demonstrate basic concepts and practices of technical drawing and blueprint reading in accordance with industry standards
- Articulate safety guidelines and proper use of tools
- Articulate industrial quality control procedures
- Perform quality welds and cuts to industry standards.
- Apply principles of welding theory to welding practice
- Demonstrate proper use of welding related terms
- Demonstrate critical thinking and communication skills.

WELDING

A.A.S. - Technical Studies

FALL SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL101	English Composition I	3	<input type="checkbox"/>	
MATH105	Technical Mathematics	3	<input type="checkbox"/>	
WELD101	Welding Safety	1	<input type="checkbox"/>	
WELD110	Thermal Cutting and OxyFuel Welding	3	<input type="checkbox"/>	
WELD115	Shielded Metal Arc Welding I	3	<input type="checkbox"/>	
GHMN000 or GSOC000	Humanities or Social Science Gen Ed Requirement	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER			16	

FALL SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
WELD135	Gas Metal Arc Welding	3	<input type="checkbox"/>	
GNED000	General Education Requirement	3	<input type="checkbox"/>	
TOTAL FALL SEMESTER			15	

WINTER SESSION 1st YEAR

WINTER SESSION 2nd YEAR

SPRING SEMESTER 1 st YEAR			Credit Hours	<input checked="" type="checkbox"/>
ENGL125	Technical Writing and Communication I	3	<input type="checkbox"/>	
COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>	
WELD120	Welding Metallurgy	2	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			14	

SPRING SEMESTER 2 nd YEAR			Credit Hours	<input checked="" type="checkbox"/>
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
TSC000 or WELD000	Technical Studies Core or Program Elective	3	<input type="checkbox"/>	
GNED000	General Education Requirement	3	<input type="checkbox"/>	
TOTAL SPRING SEMESTER			15	

SUMMER SESSION 1st YEAR

SUMMER SESSION 2nd YEAR

TOTAL PROGRAM 60

Humanities or Social Science Gen Ed Requirement: Choose from the list of approved courses listed in the College catalog

Technical Studies Core or Program Electives Courses (Recommended)**
 Technical Studies credits may be earned for corporate, industrial, or military training programs after review by a faculty assessor of related program. Individuals without sufficient technical training experience must select courses in one of the programs/options listed below to satisfy the Technical Studies credit requirements. All courses should be selected with assistance from a faculty advisor.

WELD105	Print Reading and Welding Symbols (SP)	3	<input type="checkbox"/>
WELD125	Shielded Metal Arc Welding II (SP)	3	<input type="checkbox"/>
WELD130	Flux Cored Arc Welding (FA)	3	<input type="checkbox"/>
WELD140	Welding Fabrication (FA)	3	<input type="checkbox"/>
WELD201	Basic Pipe Welding (FA)	3	<input type="checkbox"/>
WELD225	Ornamental Iron Work (SP)	3	<input type="checkbox"/>
WELD230	Creative Welding (SP)	3	<input type="checkbox"/>
WELD205	Gas Tungsten Arc Welding (SP)	3	<input type="checkbox"/>
WELD280	Welding Internship (SP)	3	<input type="checkbox"/>

Technology General Education courses (Recommended)
 Recommended courses listed below but student can also choose from the list of approved General Education courses in the College catalog.

COMS110	Computer Concepts & Applications	3	<input type="checkbox"/>
---------	----------------------------------	---	--------------------------

**** Select courses from one of the following programs (P) /options (O) – (Courses must be approved by appropriate faculty advisor):**
 Automotive Service Technology (P)
 Building Construction Technology (O)
 Business Management (P)
 Computer Information Systems (P)
 Diesel Service Technology (O)
 Engineering Science (O)
 Graphic Design (P)
 Machine Tool Technology (O)

Students may need to first take some developmental courses that are designed to prepare students for the college-level coursework in their academic plan. This may add to the students' completion time. The number of credits students take each semester will determine when the student will complete his/her program of study.

COURSE DESCRIPTIONS



COURSE DESCRIPTIONS

Accounting

ACCT101

ACCOUNTING PRINCIPLES I FINANCIAL (3 Cr) (3:0)

This course is a study of accounting principles and procedures. The accounting cycle is covered for a service industry. Additional topics include accounting for merchandising operations; cash and short-term investments; inventory; the acquisition, allocation, and disposal of tangible and intangible assets; and current liabilities.

Prerequisite: Proficiency on College Placement Test

ACCT102

ACCOUNTING PRINCIPLES II MANAGERIAL (3 Cr) (3:0)

This course addresses managerial accounting concepts which are necessary for decision-making, performance evaluation, planning, and control. Emphasis is placed on using accounting data as a tool to enhance the information's usefulness to the firm's management. The course deals with corporate equity, the management cycle, product costing methods and standards, responsibility accounting and segment analysis, budgeting, cost-behaviors, activity-based systems, statement analysis, and preparation of the statement of cash flow. Quantitative methods necessary for managerial accounting will be emphasized.

Prerequisite: ACCT101 (Grade of C)

ACCT107

COMPUTERIZED ACCOUNTING (3 Cr) (2:2)

This course is designed to provide students with a working knowledge of accounting software packages used in industry. The software packages will be representative of the various types on the market. Students will use the following accounting modules: general ledger, accounts receivable, accounts payable, fixed assets, payroll, and cash receipts/payments.

Prerequisite: ACCT101 (Grade of C)

Lab Fee required

ACCT201

INTERMEDIATE ACCOUNTING I (3 Cr) (3:0)

This course is a continued study of the theory and practices of accounting principles regarding the preparation of financial statements. Included is the in-depth study of accounting for assets, liabilities, equities, revenues and expenses at an advanced level.

Prerequisite: ACCT102 (Grade of C)

ACCT202

INTERMEDIATE ACCOUNTING II (3 Cr) (3:0)

This course is an in-depth study of the integral parts of financial statement analysis in accounting concepts. Special accounting applications involving complex business transactions are explained in detail.

Prerequisite: ACCT201 (Grade of C)

ACCT205

PAYROLL ACCOUNTING (3 Cr) (3:0)

This course is designed to prepare students to enter into the payroll accounting profession. Students learn the various federal and state requirements that govern payroll record keeping and reporting. The student will study ways to implement the requirements in both a manual and an automated payroll environment.

Prerequisite: ACCT101 (Grade of C)

ACCT250

SPECIAL TOPICS IN ACCOUNTING

This course focuses on selected topics in accounting. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Agriculture

AGSC101

INTRODUCTION TO AGRICULTURAL SCIENCE (3 Cr) (3:0)

This course introduces students to career opportunities and the general concepts of horticulture which includes plant taxonomy, physiology, crops, and their general management.

AGSC107

AGRICULTURE PEST CONTROL AND MANAGEMENT (4 Cr) (3:3)

This course is designed to introduce the student to the fundamental theories, principles, and practices of pest control for agriculture and ornamental horticulture crops. Diagnostic skills for insect, disease, and weed identification are presented.

Prerequisite: Proficiency on College Placement Test

AGSC150

Organic Farming (3:3) 4 credits

This course prepares students with the fundamental knowledge and skills to grow organic food, flowers and culinary herbs. Principles of soil biology and plant health management will be covered along with field planning, scheduling, harvest and storage following the standards set forth by the National Organic Program. Lab fee required.

AGSC201

AGRICULTURAL MARKETING (3 Cr) (3:0)

This course covers the practices used in the marketing of farm products. Principles of farm cooperatives, farm markets and stores, crop planning, methods of distribution, research procedures and marketing problems facing the farmer today will be discussed.

Prerequisite: BUSA101 (Grade of C or better)

AGSC240

AGRICULTURAL SCIENCE INTERNSHIP (3 Cr) (1:6)

This course is a capstone experience offering students the opportunity to integrate work experience and classroom instruction through the joint efforts of the employer, the College, and the student. Trainees, with the assistance of their teacher-coordinator and work site supervisor(s), pursue their occupation career objective through group and individualized instruction.

Prerequisite: 9 Credits in Agricultural Business or Horticultural Science, Permission of Program Coordinator

American Sign Language

AMSL101

AMERICAN SIGN LANGUAGE I (3 Cr) (3:0)

This course is designed to develop basic communicative skills in American Sign Language. This course will emphasize grammatical structures, sign vocabulary, fingerspelling, numbers, expressive and receptive skills, facial grammar and non-manual communication, and the anatomy and physiology of the human hearing system and hearing loss. Additionally, this course provides an introduction to the culture of the Deaf community.

Corequisite: ENGL021 and ENGL032

COURSE DESCRIPTIONS

AMSL102

AMERICAN SIGN LANGUAGE II (3 Cr) (3:0)

This course strengthens students' expressive and receptive skills in American Sign Language, broadens their understanding of the Deaf community, culture and language, and provides an additional vocabulary base of several hundred signs from American Sign Language. This course instructs the student in the use of classifiers as well as providing them with an introduction to the idiomatic vocabulary of American Sign Language.

Prerequisite: AMSL101

AMSL201

AMERICAN SIGN LANGUAGE III (3 Cr) (3:0)

This course will instruct the student in the expressive and receptive communication skills, vocabulary (including classifiers and commonly used idiomatic expressions) commonly used among the Deaf culture and community. The student will learn to isolate the concepts expressed in spoken English, and to transpose them into the idiomatic expressions of American Sign Language.

Prerequisite: AMSL102

Anthropology

ANTH101

INTRODUCTION TO ANTHROPOLOGY (3 Cr) (3:0)

This course is an integrated overview of the four fields of anthropology. Physical anthropology, cultural anthropology, linguistics, and archeology are explored as subfields and together as an integrated whole. Emphasis is placed on the study of the social and biological origins of human culture, religious diversity, linguistic diversity, and patterns of social inequalities.

ANTH110

PHYSICAL ANTHROPOLOGY (3 Cr) (3:0)

This course studies the origins and evolution of humankind focusing on research from paleoanthropology, primatology, and human genetics. Advances in molecular anthropology and recent fossil discoveries are used to debunk the concept of human biological race. Students become familiar with Homo sapiens migrations out of Africa, and the human and non-human primate fossil record. The origins of the human anatomy, language, social structure, gender roles, family structure, technology, religion, and artistic expression are explored.

ANTH115

BIOLOGICAL ANTHROPOLOGY (4 Cr) (4:0)

This course examines how Homo sapiens evolved. It starts with a core understanding of scientific methodology, evolutionary theory, and the genetic code. The paleontological record and methodologies for dating fossils and artifacts are studied. Anatomy, behavior, and classification of non-human primates with emphasis on the common ancestry Homo sapiens share with them are studied. Comparison and contrasting primate and hominin fossil records over the last 8 million years are also studied. Students will examine Paleolithic artifacts that highlight critical periods of human evolution. The course surveys human phenotypic diversity across clinical gradations. The interplay between anatomically modern human biology and cultural behavior is shown to be a key to understanding human evolution.

Prerequisite: Proficiency in Reading, Writing & Math on College Placement Test or equivalency.

ANTH120

CULTURAL ANTHROPOLOGY (3 Cr) (3:0)

This course is a study of a broad range of human behavior from a cross-cultural perspective including language and communication, concepts of love & beauty, marriage & the family, economic systems & political organization and religion & magic. This course provides a background to human cultural origins and variability.

ANTH131

PRINCIPLES OF ARCHEOLOGY (3 Cr) (3:0)

This is an introductory course in archeology. A major focus is on the interpretation of material culture to answer questions about human evolution and cultural developments in the broad spectrum of the human experience. Key interpretative events in the archeological record are explored as lessons for understanding present day cultural conflicts. New and traditional archeological methods and technologies are studied. Case studies in the reconstructing of extinct societies and cultures, including Paleolithic North America, empiric Africa, prehistoric Europe, Prehispanic Mesoamerica, and ancient Asia, are explored.

ANTH133

Archaeology Field Methods (3 Cr) (2:2)

This course offers an introduction to the tools and field methods of archaeology. Students will participate in a scientific endeavor rather than a simulation. Field instruction will be carried out at an archaeological site registered with the New Jersey State Museum. Topics will include mapping sites, site preparation, grid set-up, shovel testing, trowel excavation, recording data, the basics of soils classification, and artifact identification and interpretation. Emphasis will be placed on the relevance of archaeology for understanding the history of local communities. Students will become familiar with the methods and theory behind historical archaeology, Pre-Contact archaeology, colonial archaeology and pre-industrial archaeology.

ANTH150

MAGIC, MYTH AND RELIGION (3 Cr) (3:0)

This course examines the spectrum of human interaction with the supernatural. A major focus is on belief systems and practitioners that make the supernatural meaningful and relevant to people's lives. Modern and traditional beliefs and rituals are studied from a cross-cultural perspective, including many from American culture. The universality of the religious experience, religion's role in creating social structures, and altered states of consciousness are also studied.

ANTH220

ENVIRONMENT & CULTURAL BEHAVIOR (3 Cr) (3:0)

This course is an anthropological approach to human environmental issues and global environmental problems and the various ways people worldwide have come to adapt to a wide variety of habitats. Strategies and their environmental consequences used by hunter gatherers, subsistence herders, horticulturists, agriculturalists, and industrial societies are explored. Peoples and environments of Africa, the Americas, Asia, Europe, Australia, and Oceania are studied.

ANTH250

SPECIAL TOPICS IN ANTHROPOLOGY

This course focuses on selected topics in Anthropology. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester.

COURSE DESCRIPTIONS

Automotive

AOTE101

AUTOMOTIVE FUNDAMENTALS (3 Cr) (2:2)

This course is designed as an entry-level survey of automotive systems and their repair. It is a prerequisite for all other automotive technology courses. With approval of the program coordinator, appropriate ASE certification may be substituted for this course.

Corequisite: AOTE110

Lab Fee required

AOTE110

AUTOMOTIVE ELECTRICAL SYSTEMS (3 Cr) (2:2)

This course is designed to apply knowledge of electricity and electronics specifically to automotive systems. Topics include starting, charging, fuel injections, ignition, body electrical systems, and electrical accessories. This course helps prepare students for ASE certification.

Corequisite: AOTE101

Lab Fee required

AOTE118

AUTOMOTIVE HEATING AND AIR CONDITIONING (3 Cr) (2:2)

This course focuses on the principles of operation and service techniques of automobile air conditioning systems. Topics include component familiarization, testing, diagnosing, charging and repair. This course helps prepare students for ASE certification.

Prerequisite: AOTE101 and AOTE110

Lab Fee required

AOTE120

AUTOMOTIVE BRAKE SYSTEMS (3 Credits) (2:2)

This course will explore the automotive brake system in depth. Diagnosis and repair of both drum and disk brake systems, power brake boosters, master and wheel cylinders will be covered. Traction control and anti-lock brake systems are covered from operating principles through diagnosis and repair. This course helps prepare students for ASE certification.

Prerequisite: AOTE101 and AOTE110

Lab Fee required

AOTE130

STEERING AND SUSPENSION SYSTEMS (3 Cr) (2:2)

This course will explore the automotive steering and suspension systems in depth. Detailed instruction of design, operating principles and service of these systems will be covered. Tires, tire construction, steering geometry and alignment angles are studied. Proper techniques and procedures for complete front-end service, wheel alignment, wheel balance and steering mechanisms is covered. This course helps prepare students for ASE certification.

Prerequisite: AOTE101, AOTE110

Lab Fee required

AOTE203

ENGINE CONSTRUCTION, OPERATION AND SERVICE (3 Cr) (2:2)

This course will cover proper diagnosis, disassembly, inspection and rebuilding techniques. Use of diagnostic, and measuring

equipment will be included as the students disassemble, inspect and reassemble engine components. This course helps prepare students for ASE certification.

Prerequisite: AOTE101, AOTE110

Lab Fee required

AOTE204

MANUAL TRANSMISSIONS AND DRIVELINES (3 Cr) (2:2)

This course will cover the principles of manual transmissions, their operation and service. Topics will include drivelines, differentials, clutches, U-joints, RWD, FWD, and 4-wheel drive. This course helps prepare students for ASE certification.

Prerequisite: AOTE101, AOTE110

Lab Fee required

AOTE206

AUTOMATIC TRANSMISSIONS & TRANSAXLES (3 Cr) (2:2)

This course will emphasize the theory, operation and diagnosis of automatic transmissions and transaxles. The process of automatic transmission rebuilding will be introduced. This course helps prepare students for ASE certification.

Prerequisite: AOTE101, AOTE110

Lab Fee required

AOTE208

ADVANCED AUTOMOTIVE ELECTRONICS (3 Cr) (2:2)

This course reviews basic fundamentals, then proceeds into semi-conductors, amplifiers, integrated circuits and microprocessors as they relate to the automobile. Practical application of theory is stressed as part of diagnoses, trouble shooting, repair and use of diagnostic equipment. This course helps prepare students for ASE certification.

Prerequisite: AOTE101, AOTE110

Lab Fee required

AOTE215

AUTOMOTIVE ENGINE PERFORMANCE (3 Cr) (2:2)

This course will cover engine mechanical ignition and fuel system diagnosis and repair. The students will use the latest diagnostic procedures and equipment as well as appropriate service bulletins and manuals to obtain necessary tune-up specifications. This course helps prepare students for ASE certification.

Prerequisite: AOTE101, AOTE110, AOTE203

Lab Fee required

AOTE250

SPECIAL TOPICS IN AUTOMOTIVE

This course focuses on selected topics in automotive. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester.

AOTE255

AUTOMOTIVE PROFICIENCIES (3 Cr) (0:9)

This course is designed to have the automotive technology student gain practical experience and enhance class/lab learning. The student is presented with practical work tasks in all basic automotive subject areas.

Prerequisite: ALL AOTE technical courses and permission of the Program Coordinator.

COURSE DESCRIPTIONS

AOTE261

SERVICE CENTER EDUCATION CLASS (1 Cr) (1:0)

This course is designed for automotive students who are on internship. The course teaches/reinforces work skills and attitudes, cooperative work behavior, and workplace expectations.

Prerequisite: AOTE101, AOTE110, AOTE118, AOTE120, AOTE130, AOTE203, AOTE204 or permission of the Program Coordinator

AOTE262

SERVICE CENTER INTERNSHIP (3 Cr) (0:9)

This course is designed to have the automotive technology student gain practical experience and enhance class/lab learning. The student spends a total of 135 hours in a repair facility.

Prerequisite: All AOTE technical courses or permission of the Program Coordinator

Art

ARTA101

BASIC DESIGN (3 Cr) (1:4)

This studio course introduces students to the practical and theoretical applications of two-dimensional design. Students explore the elements and principles of design theory and develop an intuitive response to form, line, color, value, and space. Studio fee required.

ARTA103

ART HISTORY I (3 Cr) (3:0)

This course explores visual artistic expression from the Paleolithic period through the fourteenth century, including non-European cultures. Central topics include the development of artistic concepts in the ancient world, the role of gender in various cultures, and the impact of philosophy, socio-economic, and political events on image making throughout history.

Prerequisite: ENGL011 or Placement into ENGL101

ARTA104

ART HISTORY II (3 Cr) (3:0)

This course explores visual artistic expression from the early Renaissance through contemporary societies in both western and many non-western cultures. Central topics include the development of artistic concepts and major aesthetic theories from the fourteenth century through Modernism, Post Modernism, and Contemporary art movements around the world. The role of gender and the impact of art criticism, socio-economic, and political events on artistic content and its influence on culture are discussed.

Prerequisite: ENGL011 or Placement into ENGL101

ARTA106

ART APPRECIATION (3 Cr) (3:0)

This course builds an informed foundation for students wishing to understand and enjoy art. Art theory, practice, and history are introduced, through which students expand their awareness of visual arts and are encouraged to realize their own innate creative potential. All mediums are studied: painting, sculpture, photography, multimedia, film, design, and printmaking, including a comprehensive global/gender inclusive art history survey.

Prerequisite: ENGL011

ARTA107

HISTORY OF CONTEMPORARY ART (3 Cr) (3:0)

This course surveys the history of Contemporary Art, beginning with its roots in the Modernism of Europe at the beginning of the twentieth century and developing comparisons and historical connections to Contemporary Art in today's world art market. Emphasis is placed on viewing art forms in context of their history and intention and understanding the philosophical foundations and critical theories that support and influence them.

ARTA108

BASIC DRAWING (3 Cr) (1:4)

This course introduces students to the basic foundations of drawing methods, including a broad-based survey of art history and appreciation. Students experiment with a variety of materials: pencil, charcoal, and conte-crayon practicing 1, 2 and 3 point perspective, and elemental architectural drawing techniques within an historical context. Students explore various elements of personal expression while comparing their efforts to major works of art. The course also introduces the art of still life, landscape, portrait, life drawing, gesture and contour drawing and classical drawing techniques. Studio fee required.

ARTA110

INTRODUCTION TO COLOR (3 Cr) (1:4)

This course develops an understanding of the expressive and compositional qualities of color and its role in the creation of art and design through lectures and experiment. Various color theories and their applications are explored with reference to works of art. Students create compositions using color as the primary criteria for expression. Studio fee required.

ARTA115

THREE DIMENSIONAL DESIGN (3 Cr) (1:4)

This course introduces basic concepts of three-dimensional design. Students experiment with three-dimensional relationships and construct shapes and structured space.

Lab Fee required

ARTA120

INTRODUCTION TO FIBERS (3 Cr) (2:2) + Studio 1 hr.

This course will introduce students to many varied fiber techniques including weaving, dyeing, and off-loom constructions. Knotless netting, feltmaking, coiling, twining, and papermaking as well as surface design on fabric will be included. Screenprinting, blockprinting, batik, and shibori are also among the techniques explored. Personal imagery and individual ways of working with a combination of these techniques will be the focus of this course.

Lab Fee required

ARTA135/ PHOT135

ALTERNATIVE PROCESSES IN PHOTOGRAPHY (3 Cr) (1:4)

This course introduces art and/or photography students to hand coated photographic processes that may include cyanotype, gum bichromate, vandyke printing as well as experimental methods allowing for artistic expression. Methods for the production of enlarged duplicate negatives will be covered. Art and painting students will be challenged to explore the various expressive methods using film as a point of departure.

Lab Fee required

COURSE DESCRIPTIONS

ARTA150

LIFE DRAWING I (3 Cr) (1:4)

This course establishes the basic vocabulary necessary to begin drawing the human form. It defines the concepts of the “nude” as an art form and as a point of departure for all other forms of drawing. Emphasis is placed on gesture and contour drawings, use of drawing materials, anatomy studies, and drawing the human form in traditional ways.

Studio Fee Required

ARTA156

LIFE DRAWING II (3 Cr) (1:4)

This studio course further develops the range and quality of a student's drawing the human form. It refines the ability to render the “nude” as an art form and as a point of departure for all other forms of drawing. Emphasis is placed on classical drawing techniques practices of the traditional drawing atelier.

Studio Fee Required.

ARTA160

LANDSCAPE DRAWING (3 Cr) (2:2) + Studio 1 hr.

This course provides direct practical experience drawing in the landscape using the SCCC campus and other Sussex County sites as resources. Works by master landscape artists are also studied for reference and inspiration.

Lab Fee required

ARTA170

PORTRAIT DRAWING (3 Cr) (2:2) + Studio 1 hr.

This is a course in portrait drawing using pastel, pencil, and charcoal. Focus will be on anatomy and likeness as well as mark making, shading, and understanding volume.

Lab Fee required

ARTA173

INTRO TO SCULPTURE (3 Cr) (2:2) + Studio 1 hr.

This course will explore the properties of three-dimensional materials that may include plaster, metal, stone, wood or clay. Students will learn to model, carve, and construct in a variety of media.

Studio Fee Required

ARTA175

CERAMICS I (3 Cr) (1:4)

This beginning studio course introduces the basic principles and techniques of form making in ceramic media, as well as fundamentals of idea research and transformation. A variety of processes, such as hand building and wheel throwing, are covered; slipping, glazing and firing techniques are also introduced. The history of ceramics complements studio practice. Students also learn safe use of appropriate equipment and studio organization. Offered through the SCCC/PVCC Alliance, this course will utilize the PVCC Ceramics Studio.

Lab Fee required

ARTA180

PAINTING I (3 Cr) (2:2) + Studio 1 hr.

This course is an introduction to the basic materials and techniques of the oil/acrylic medium. Still life, models, and landscape subjects are explored, and historical and contemporary masterworks are used as references. The emphasis is upon composition, color, and experimentation with paint as a foundation for developing a personal visual language.

Lab Fee required

ARTA185

DIGITAL FINE ART I (3 Cr) ((1:4)

This fine art course serves as an introduction to the history, theory and software applications that are currently employed in the field of digital art. As a foundation for future creative endeavors, students will gain understanding of the aesthetic and creative possibilities inherent in the relationship between digital and traditional fine art mediums. Using digital tools, students will engage in drawing and painting.

Prerequisite: ARTA101 and ARTA180 or Permission of Program Coordinator

Lab Fee required

ARTA186

DIGITAL FINE ART II (3 Cr) (1:4)

This fine art course advances knowledge of contemporary aesthetic issues particular to the fine art digital realm and builds upon the theoretical and technical foundation acquired in ARTA185: Digital Fine Art I. Students will expand the expressive potential of their developing visual language.

Prerequisite: ARTA185 or permission of instructor

Lab Fee required

ARTA195

PRINTMAKING (3 Cr) (2:2) + Studio 1 hr.

This studio course provides an introduction to printmaking as an art form and explores the aesthetic possibilities of linoleum and wood-block relief printing, as well as experimenting with the monotype and other printmaking techniques. It provides opportunities for graphic and fine art students to expand their expressive visual language, improve drawing ability, and learn about the historical and contemporary printed multiple images. Basic studio methodologies and non-toxic materials will be employed.

Lab Fee required

ARTA200

WATERCOLOR (3 Cr) (1:4)

This course explores the watercolor medium and its expressive range. A contemporary approach provides for experimentation with various techniques and the study of Asian, European, and American watercolor traditions. Students will create paintings by experimenting with various treatments of the medium with attention to color, light, and fluidity while exploring various art historical inspirations.

Lab Fee required

ARTA201

PAINTING II (3 Cr) (1:4)

This course provides an opportunity for students to utilize the knowledge and experience acquired in previous art courses to create a body of work that demonstrates expertise in painting in the mediums of acrylic and/or oil paints. Through their continual practice, students learn to articulate a language of form and color with greater emphasis upon experimentation and developing personal expression in the work. Both traditional and contemporary masterworks are studied.

Lab Fee required

ARTA210

DRAWING FROM THE STILL LIFE (3 Cr) (2:2) +Studio 1 hr.

This course develops drawing ability as well as perceptual skills by concentrating upon the kinds of problems which the still life subject offers. There is emphasis placed upon rendering forms

COURSE DESCRIPTIONS

and their spatial relationships and understanding composition as an element of personal expression. The class works from different kinds of set-ups and will refer to works which show how artists have been drawn to this subject from the time of ancient Pompeii to the present.

Lab Fee required

ARTA215

ADVANCED LIFE DRAWING (3 Cr) (2:2) + Studio 1 hr.

This studio course continues the development of drawing skills through observation, with an emphasis on visual problem-solving, achieving personal form qualities and demonstrating the ability to expressively use visual language. It is designed to support ideas being developed in other media for students beyond the beginning level. Traditional and experimental drawing materials, techniques, and subjects, including the life model, are employed.

Prerequisite: ARTA150

Lab Fee required

ARTA220

CERAMICS II (3 Cr) (1:4)

This course affords the student the opportunity to extend his/her knowledge and understanding of ceramics processes at the intermediate level. Included are advanced hand building techniques in conjunction with wheel throwing and molding. In addition, students will be expected to learn to fire kilns to meet their individually predetermined outcomes. The development of personal expression in this medium is emphasized through group discussion, critiques and resources outside the classroom. Offered through the SCCC/PVCC Alliance, this course will utilize the PVCC Ceramics Studio.

Prerequisite: ARTA175 or Permission of Instructor

Lab Fee required

ARTA250

SPECIAL TOPICS IN ART

This course focuses on selected topics in art. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

ARTA260

PORTFOLIO DEVELOPMENT (3 Cr) (1:4)

This course prepares students to graduate with the professional skills necessary for gallery representation or transfer to a four-year fine art institution, as reflected in a prepared portfolio. Each student creates an articulate "artist's statement" and a finished professional portfolio of original artwork.

Studio Fee Required.

ARTA262

PORTFOLIO FOR ARCHITECTURE DESIGN (2 Cr) (2:0)

This lecture course explains architectural design in an historical context and compares students' work to multi-cultural models. Students create individual artist statements and construct professional portfolios of original designs to enable transfer to a four-year degree program and/or internship in architecture.

Prerequisite: Instructor Permission Required

Building Construction

BCST101

INTRODUCTION TO BUILDING CONSTRUCTION

(1 Cr) (1:0)

This course is a survey of the construction industry including a brief overview of the overall construction processes from initial concept through startup of the complete facility, career opportunities in the construction industry, employability, and an introduction to the materials and systems used in construction, with an emphasis on vocabulary building. Students will become familiar with The U.S. Green Building Council Leadership in Energy and Environmental Design (LEED).

Co-requisite: BCST 103 Construction Safety, Tools and Equipment

BCST103

CONSTRUCTION SAFETY, TOOLS, AND EQUIPMENT

(2 Cr) (2:0)

This course is designed to identify, reduce, and eliminate construction-related hazards by studying safety regulations and agencies. Students will survey hand and power tools typically used to perform construction work, the maintenance of tools and equipment, and emerging tool technology. Emphasis is on OSHA safety standards, hand and power tools and equipment safety, rigging, communication, health standards, confined space entry, hazardous materials, and right to know.

Corequisite: BCST 101 Introduction to Building Construction

BCST112

PRINT READING AND SAFETY (3 Cr) (2:2)

This course is a thorough exploration into the structure of blueprints and reading them. Emphasis is on components of blueprints, basic technical diagrams, interpretation of building, piping and plumbing, electrical, air conditioning and refrigeration drawings. Students will practice techniques to create pictorial and multiple-view drawings in the style of a blueprint to convey information simply and completely. Lab Fee required.

Prerequisite: Proficiency on the English and Basic Math portion of the Placement Test.

BCST125

CODES IN CONSTRUCTION (1 Cr) (1:0)

This course explores the current International Residential Code (IRC) for residential buildings and the interpretation of code language, tables, and illustrations. Emphasis is on identification of requirements for building planning, foundations, floors, walls, ceilings, roof assemblies, and energy efficiency. Exploration into requirements for radon control, methods, and existing structures will be covered.

Prerequisite: Proficiency on the English and Basic Math portion of the Placement Test.

BCST130

CONSTRUCTION SITE PREPARATION AND LAYOUT (1 Cr) (1:0)

This course explores the current International Residential Code (IRC) for residential buildings and the interpretation of code language, tables, and illustrations. Emphasis is on identification of requirements for building planning, foundations, floors, walls, ceilings, roof assemblies, and energy efficiency. Exploration into requirements for radon control, methods, and existing structures will be covered.

Prerequisite: Proficiency on the English and Basic Math portion of the Placement Test.

COURSE DESCRIPTIONS

BCST142 CONSTRUCTION MATERIALS AND METHODS I (3 Cr) (1:4)

This course is a study of residential and commercial building erection and fabrication techniques and construction materials. Proper terminology, usage and sustainability of traditional wood, steel, masonry, concrete materials and prefabricated/premanufactured methods and materials will be covered. Students will work to complete a construction project. Lab Fee required.

Prerequisite: BCST101 Introduction to Construction, BCST 103 Construction Safety, Tools and Equipment, BCST 112 Print Reading and Sketching, and BCST 125 Codes in Construction

BCST150 INTRODUCTION TO ELECTRICAL AND MECHANICAL SYSTEMS (2 Cr) (1:2)

This course is a study of electrical and mechanical systems, how they are built, and how they affect the construction project. Topics will include evaluation of construction drawings, air conditioning, heating, plumbing, fire protection, electrical power and lighting, and building control materials and systems.

Lab Fee required.

Prerequisite: BCST101 Introduction to Construction, BCST 103 Construction Safety, Tools and Equipment, BCST 112 Print Reading and Sketching, and BCST 125 Codes in Construction

BCST210 ROOF STRUCTURES AND STAIRS (4 Cr) (2:4)

This course is a study of the construction of roof and stair structures. Design, materials and framing techniques will be explored. Topics include roof systems, rafter and truss design, framing, and the layout and installation of stairs. Lab Fee required.

Prerequisite: BCST101 Introduction to Construction, BCST 103 Construction Safety, Tools and Equipment, BCST 112 Print Reading and Sketching, and BCST 125 Codes in Construction

BCST230 CONSTRUCTION MATERIALS AND METHODS II (3 Cr) (1:4)

This course is a second level course covering topics of building materials and construction methods in residential and commercial construction applications. Students will continue to develop knowledge of building materials and advance their skills in a construction project. Proper terminology, usage and sustainability of traditional exterior and finishing materials will be covered. Students will work to complete a construction project.

Lab Fee required.

Prerequisite: BCST142 Construction Materials and Methods I

BCST235 WEATHER RESISTANT BARRIERS AND FINISHES (2 Cr) (1:2)

This course is a study of developing skills in the selection and installation of resistant systems, siding and roofing materials, soffit, and fascia. Student will explore code requirements of weather resistant barriers.

Lab Fee required.

Prerequisite: BCST142 Construction Materials and Methods I, BCST 150 Introduction to Electrical and Mechanical Systems

BCST245 MASONRY PRINCIPLES AND CONCRETE CONSTRUCTION (4 Cr) (3:2)

This course is a study of masonry construction materials and methods and principles of concrete design. Students will focus on terms, definitions, and methods of construction practices related to masonry construction and concrete.

Lab Fee required.

Prerequisite: BCST 142 Construction Materials and Methods I, BCST 150 Introduction to Electrical and Mechanical Systems, BCST 210 Roof Structures and Stairs

BCST255 INTERIOR FINISHES (2 Cr) (1:2)

This course introduces building materials and finishes used in interior applications. Student will learn the technical vocabulary and concepts associated with materials, construction, fabrication, and evaluation. Exploration of interior building materials in relationship to creative design solutions will be covered safeguarding human and environmental health. Safe and professional installation will be practiced as related to building construction, design, and occupation.

Lab Fee required.

Prerequisites: BCST142 Construction Materials and Methods I, BCST 150 Introduction to Electrical and Mechanical Systems

BCST260 TRIM AND MILLWORK (4 Cr) (3:2)

This course introduces students to concepts and procedures for fine woodworking practices. Students will explore cabinetmaking, cabinetry styles, human factors, working drawings, kitchen cabinets, industrial production cabinetmaking, health and safety, measuring and laying out materials, stationary power machines, hand and portable power tools, employment and experience building a basic cabinet system. Topics include lumber and millwork, manufactured panel products, veneers and plastic overlays, hardware, surfacing and shaping, turning, joint making, abrasives and sanding machines, gluing and clamping, bending and laminating wood, overlaying and inlaying veneer, installing plastic laminates, case construction, doors, drawers, and applying finishing materials.

Lab Fee required.

Prerequisites: BCST 230 Construction Materials and Methods II, BCST 255 Interior Finishes, BCST 235 Weather Resistant Barriers and Finishes, BCST 245 Masonry Principles and Concrete Construction

BCST270 ESTIMATING, PLANNING, SCHEDULING AND MANAGEMENT (4 Cr) (3:2)

This course offers students the opportunity to learn effective methods and techniques associated with the organization, planning and implementation of a construction project. Student will explore characteristics of a project including the planning process, organization, contract management, field record keeping, quality control, safety, project closeout and warranties/claims, and post project analysis. Topics will include cost estimating and budgeting methods, cash flow analysis, and time management, identification of needed resources, resource constraints and allocation.

Lab Fee required.

Prerequisites: BCST 230 Construction Materials and Methods

COURSE DESCRIPTIONS

II, BSCT 255 Interior Finishes, BCST 235 Weather Resistant Barriers and Finishes, BCST 245 Masonry Principles and Concrete Construction

BCST280

BUILDING CONSTRUCTION INTERNSHIP (3 Cr) (0:9)

This course is designed to have the building construction student gain practical experience and enhance class/lab learning. The student spends a total of 135 hours in a construction environment.

Prerequisites: All BCST technical courses with the exception of BCST260 Trim and Millwork and BCST270 Estimating, Planning, Scheduling and Management, or permission of the Program Coordinator

Biology

BIOS010

INTRODUCTION TO BIOLOGICAL CONCEPTS (3IC) (2:2)

This course is a preparatory course designed to familiarize the beginning college student with selected biological principles and concepts. The course is for students who have a limited background in biology and for those who have not studied biology recently. A self-paced teaching method is used, and there is extensive use of computer assisted instruction. Topics include scientific method, levels of organization, cells, energy, medical terminology, and evolution. This course is not designed to transfer.

Lab Fee required

BIOS101

GENERAL BIOLOGY (4 Cr) (3:3)

This course introduces the student to the principles of modern biology. Emphasis is on the chemistry, structure, heredity, reproduction, development, ecology, and evolution of living things. For non-science majors.

Lab Fee required

BIOS102

INTRODUCTION TO HUMAN BIOLOGY (4 Cr) (3:3)

This course is an introduction to human anatomy and physiology for the non-biology major. It is designed to develop an appreciation for the structure and functions of the human body; to point out the relationship of body systems to health and disease; and to emphasize human biology as it relates to everyday living experiences.

Lab Fee required

BIOS103

ANATOMY AND PHYSIOLOGY I (4 Cr) (3:3)

This course is a systematic study of the structure and functions of the human body. Topics include general terminology, cells, tissues, integumentary, muscular, and nervous systems.

Lab Fee required

BIOS104

ANATOMY AND PHYSIOLOGY II (4 Cr) (3:3)

This course is a continuation of Anatomy and Physiology I. Topics include the endocrine, circulatory, immune, respiratory, digestive, urinary, and reproductive systems.

Prerequisite: BIOS103 (Grade of C)

Lab Fee required

BIOS107

NUTRITION FUNDAMENTALS (3 Cr) (3:0)

This course is designed to acquaint students with nutritional research concepts, the role of nutrients in the human body, the relation of nutrition to human behavior, and the study of nutrition-related health problems. This course interweaves concepts related to the science of human metabolism and body composition.

BIOS108

INTRODUCTION TO ENVIRONMENTAL SUSTAINABILITY (4 Cr) (3:3)

This course is designed to explore the factors influencing the environment and to increase awareness of environmental problems and solutions. The student will learn scientific methods and scientific knowledge of issues of a sustainable future. Topics include population, energy, natural resources, food, water, biodiversity, waste management, global climate change, and the social, legal, ethical and cultural impacts of human interaction with the environment. Many issues will be examined from varying points of view, requiring comparisons of different attitudes and considerations. Ethical implications of action, policy, and situations will be examined. Lab exercises and service learning will supplement the theory presented. Volunteer work or the equivalent will be required. Purchase of lab equipment required.

BIOS110

BIOLOGY I (4 Cr) (3:3)

This course is designed to familiarize the student with the general principles and unifying concepts of biological science. Topics include scientific investigations, the physical and chemical properties of living matter, cell structure and function, energy transformations, genetics, evolution and diversity.

Prerequisite: MATH040 or the approved score on the College Level Math Placement Test

Lab Fee required

BIOS112

BIOLOGY II (4 Cr) (3:3)

This course is a continuation of Biology I and maintains its emphasis on major biological concepts and connections. Topics include plant and animal structure and function, reproduction, development, and ecology.

Prerequisite: BIOS110 (Grade of C)

Lab Fee required.

BIOS122

INTRODUCTION TO ENVIRONMENTAL SCIENCE (4 Cr) (3:3)

This course is designed to explore the factors influencing the environment and to increase awareness of environmental problems. Topics include air, land, and water resources, ecology, waste management, and the human effects on the environment. Lab exercises and field trips will supplement the theory presented.

Lab Fee required

BIOS124

ECOLOGY (4 Cr) (3:3)

This course is designed to familiarize the student with the basic concepts of ecology and field biology. Topics include ecosystems, communities, population dynamics, and energy flow. Lab exercises and fieldwork will supplement the theory.

COURSE DESCRIPTIONS

Prerequisite: MATH110

Lab Fee required

BIOS130

INTRODUCTION TO BOTANY (4 Cr) (3:3)

This course is designed to study the structural and functional adaptations of algae and plants to the environment. It includes the study of the following processes: Seed germination, growth, photosynthesis, reproduction, and transport. Plant evolution and their relationship to the environment and to humans will be discussed. The laboratory component of the course includes field and laboratory studies of plant diversity, morphology and physiology. Students will design and carry out their own independent investigations.

Prerequisite: BIOS110 or permission of Instructor

Lab Fee required

BIOS150

NUTRITION, FITNESS AND WELLNESS (3 Cr) (3:0)

This course covers topics in sports nutrition and basic exercise science. The primary goal of this course is to develop the student's understanding of how food fuels the body and affects optimal fitness and sports performance. Students will gain an in-depth understanding of the roles of carbohydrate, protein, and fat in the diets of active people as well as the role that nutrition plays in disease prevention. Consideration is also given to the ways in which food, fluids, and nutritional supplements support optimal health and training, performance, and recovery.

Prerequisite: BIOS107 or approval of Instructor

BIOS210

MICROBIOLOGY (4 Cr) (3:3)

This course involves a systematic study of microorganisms. Topics include the classification, structure, function, genetics, ecology, and control of microbes. Clinical aspects, infection and immunity, and industrial aspects of microbiology will also be covered.

Prerequisite: One previous semester of science

Lab Fee required

BIOS250

SPECIAL TOPICS IN BIOLOGY

This course focuses on selected topics in Biology. Since topics may change each time the course is offered, students should consult the course offering schedule each semester.

Business

BUSA101

INTRODUCTION TO BUSINESS (3 Cr) (3:0)

This course is designed to provide the student with an overview of all critical business functions. Topics include forms of business ownership, legal aspects of business, human resource management, finance, marketing, accounting, management information systems, international business and contemporary business issues. Students taking this course are prepared for more advanced courses in business.

BUSA110

BUSINESS COMMUNICATIONS (3 Cr) (3:0)

This course is an exploration of the communication process in business. Topics include communication theory, styles of communication, business letters and reports, resume writing, employment letters and interviews, oral communication, business presentations, and communication technology. The use

of computers in business is also covered.

Prerequisite: COMS110, ENGL101

BUSA120

SMALL BUSINESS MANAGEMENT (3 Cr) (3:0)

This course is designed to introduce the student to the principles and practices of successful small business operations. Topics include new product planning, product management, sales forecasting, consumer behavior, promotion and pricing, finance, staffing, international markets and contemporary business issues. Students acquire an overview of essential small business management skills.

BUSA125

PRINCIPLES OF SUPERVISION (3 Cr) (3:0)

This course covers the functions of first and middle-level supervisory positions. Topics include leadership, problem-solving, motivation, human relations, communications, employee discipline, conflict resolution, teamwork, and stress management. This course is not recommended for students planning to transfer to a four-year institution.

Prerequisite: BUSA101

BUSA190

BUSINESS APPLICATIONS USING ELECTRONIC SPREADSHEETS (3 Cr) (2:2)

This course presents a practical approach for implementing spreadsheet software in the planning and developing of budgets, cash flows, financial statements, and other business records. Emphasis is placed on the financial functions available in the programs and the development of macros. Basic data base management is also incorporated.

Prerequisite: ACCT101

Lab Fee required

BUSA205

BUSINESS LAW I (3 Cr) (3:0)

This course is an introduction to the judicial process as it pertains to business law. Topics include the history of business law, contracts, business torts, white-collar crime, UCC sales, paper and securities. An in-depth study of rights and obligations as they apply to contract law is performed.

BUSA206

BUSINESS LAW II (3 Cr) (3:0)

This course is the continuation of the study of business law. Topics include insurance, the creation and operation of corporations, partnerships, and proprietorships, liabilities, indemnification of parties, and documents of incorporation.

Prerequisite: BUSA205

BUSA211

MANAGEMENT AND ORGANIZATIONAL BEHAVIOR (3 Cr) (3:0)

This course is an introduction to management structure and transformational processes in organizations. Topics include planning, organizing, staffing, organizational control, motivation, group dynamics behavior, leadership, managing change and contemporary issues.

Prerequisite: BUSA101

BUSA220

PRINCIPLES OF MARKETING (3 Cr) (3:0)

This course is an introduction to the basic principles and practices in industrial, consumer, and international marketing.

COURSE DESCRIPTIONS

Topics include product development, pricing, distribution, and promotion. The course prepares students for advanced study in specialized areas of marketing, retailing, and sales.

Prerequisite: BUSA101

BUSA235 INTRODUCTION TO INTERNATIONAL BUSINESS (3 Cr) (3:0)

This course provides an introduction to the global business environment. Topics include an overview of international business, the global economy, managing an international business, cultural diversity, international trade and investment, international marketing, and multinational accounting and business operations.

Prerequisite: BUSA101 or Permission of Instructor

BUSA250 SPECIAL TOPICS IN BUSINESS

This course focuses on selected topics in Business. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester.

BUSA260 BUSINESS INTERNSHIP (3 Cr) (1:6)

This course focuses on a professional work experience and training in the workplace. Student will work in a job related to the program, complete course assignments, and develop a portfolio.

Prerequisite: BUSA211 and permission of the Program Coordinator

Child Development

CDEV101 INTRODUCTION TO EARLY CHILDHOOD EDUCATION (3 Cr) (3:0)

This is an introductory course which presents an overview of early childhood education. Students will examine theories of development, different models and approaches to early childhood, and developmentally appropriate practices. Fifteen hours of observation in early childhood settings in the community are required. Any student thinking of parenthood or a career working with young children would benefit from this course.

CDEV150 LANGUAGE DEVELOPMENT AND LANGUAGE ARTS IN EARLY CHILDHOOD EDUCATION (3 Cr) (3:0)

This course studies the natural development of language and verbal abilities. Emphasis is on techniques for the encouragement and support of language and communication skills, readiness for reading, and other intellectual processes.

CDEV160 CHILD HEALTH AND NUTRITION (3 Cr) (3:0)

This course is for early childhood educators. Emphasis is on nutrition and good health practices and their effect on the growing child, meal planning and preparation, and developmentally appropriate ways to convey health and nutrition information to young children.

CDEV250 SPECIAL TOPICS IN EARLY CHILDHOOD EDUCATION

This course focuses on selected topics in Early Childhood Education. Since the topics may change each time the course

is offered, students should consult the course offering schedule each semester.

CDEV260 METHODS OF TEACHING INFANTS AND TODDLERS (3 Cr) (3:0)

This course examines various methods and techniques that put the infant and toddler curriculum into motion. Teaching techniques are examined in relation to the skill development and readiness activities to be accomplished in early childhood.

CDEV270 CURRICULUM STUDIES IN EARLY CHILDHOOD EDUCATION (3 Cr) (3:0)

This course assists early childhood professionals in developing a more complete understanding of curriculum and curriculum planning for young children. Students learn how to individualize, adapt, create, and implement integrated learning activities.

CDEV272 MUSIC AND ART IN EARLY CHILDHOOD EDUCATION (3 Cr) (3:0)

The creative process will be explored through music and art experiences. Students will learn new ways to communicate feelings and knowledge. An awareness and sensitivity to the world around us and individuality will be stressed.

CDEV273 TEACHING CHILDREN TO LOVE MATH (3 Cr) (3:0)

This course is designed for educators who work in an elementary setting. The course is a review of basic math concepts to refresh knowledge of mathematical functions necessary to an educator in the elementary classroom. Emphasis will also be placed on motivational and engaging activities for premier math instruction. Demonstration lessons are required which includes innovative methods of teaching mathematics.

CDEV280 CHILD CARE INTERNSHIP I (3 Cr) (1:10)

This course is designed to help students apply the interpersonal and theoretical skills developed in the classroom through field experience. Students are placed in selected child care centers that offer direct learning experiences and supervision.

Prerequisite: CDEV101, CDEV150, CDEV260, CDEV270, CDEV271 and permission of Early Childhood Program Coordinator

CDEV285 CHILD CARE INTERNSHIP II (3 Cr) (1:10)

This is a capstone experience and affords students the opportunity for practical application of skills learned in classroom experience. Students are placed in selected child care centers or schools that offer direct learning experience and supervision.

Prerequisite: CDEV101, CDEV280, PSYC111 and Permission of Early Childhood Program Coordinator

CDEV290 CURRENT TOPICS IN EARLY CHILDHOOD EDUCATION (3 Cr) (3:0)

This course is an exploration and analysis of issues currently impacting upon early childhood professionals. Topics include advocacy, kindergarten readiness, sex role development, TV, discipline, child care choices, developmentally appropriate curriculum practices, mainstreaming, multicultural education, parental involvement, education, and rights.

COURSE DESCRIPTION

Chemistry

CHEM100

INTRODUCTORY CHEMISTRY (4 Cr) (3:3)

This course includes the basics of inorganic, organic, and biochemistry. The emphasis is on environmental issues, and on energy production and utilization in living organisms. Lab experiments illustrate the concepts studied.

Prerequisite: MATH017 or MATH023 or the approved score on the College Placement Test

Lab Fee required

CHEM107

FORENSIC SCIENCE (4 Cr) (3:3)

This course introduces the student to the basic principles of forensic science and the application of those principles in the collection, examination, evaluation, and interpretation of crime scene evidence. The course provides the student with the opportunity to explore the intersection of several scientific areas (e.g., biological, physical, chemical, medical, and behavioral science) as they apply to the investigation and resolution of crimes.

Prerequisite: MATH010, MATH015, MATH017, or MATH023 and MATH040

Lab Fee required

CHEM110

COLLEGE CHEMISTRY I (4 Cr) (3:3)

This course covers general chemical principles and their applications in research and industry. Specific topics include matter, measurement, calculation, significant digits, atoms, bonding, molecules, ions, periodicity, chemical reactions, reaction types (redox, acid/base, precipitation, nuclear, and gas forming), the mole, stoichiometry, limiting reagent, quantum theory, molecular polarity, solids, solutions, gases, as well as an introduction to organic and biochemistry. The lab covers measurement, separation, analytical methods, and instruments related to the topics covered, as well as writing and presenting skills.

Corequisite: MATH110 with grade of C or better

Lab Fee required

CHEM112

COLLEGE CHEMISTRY II (4 Cr) (3:3)

This course is a continuation of College Chemistry I, including thermodynamics, intermolecular forces, colligative properties, kinetics, equilibrium, pH, titration, buffers, solubility, electrochemistry, and coordination chemistry. The lab component covers topics related to the lecture, including kinetics, thermodynamics, equilibrium, electrochemistry, and coordination compounds, as well as writing and presenting skills.

Prerequisite: CHEM110 with grade of C or better

Lab Fee required

CHEM210

ORGANIC CHEMISTRY I (5 Cr) (4:4)

Lecture includes naming, drawing, stereochemistry, physical properties, NMR, IR, GC/MS, UV/VIS, reactions, and mechanisms of alkanes, alcohols, and ethers. Mechanisms include free radical, nucleophilic substitution, elimination, and addition. Laboratory topics are chemical hygiene and safety, as well as microscale and macroscale techniques for identification

and purification of organic compounds.

Prerequisite: CHEM112 with grade of C or better

Lab Fee required

CHEM212

ORGANIC CHEMISTRY II (5 Cr) (4:4)

This course is a continuation of Organic Chemistry I. Lecture includes naming, drawing, stereochemistry, physical properties, reactions, and mechanisms of alkenes, alkynes, conjugated systems, aromatic compounds, aldehydes, ketones, enols, enolates, carboxylic acids, carboxylic acid derivatives, amines, amine derivatives, and ester enolates. Mechanisms include electrophilic aromatic substitution, ipso substitution, electrocyclic, nucleophilic addition, and nucleophilic addition/elimination.

Prerequisite: CHEM210 with grade of C or better

Lab Fee required

CHEM215

BIOCHEMISTRY (4 Cr) (3:3)

This course introduces the student to the molecular architecture of biomolecules such as: nucleic acids, proteins, carbohydrates and lipids; metabolism; catalysis and control of biochemical reactions; enzyme kinetics and bioenergetics; and expression and processing of bioinformation. The lab component covers techniques that are used in clinical, food, and bioresearch labs.

Corequisite: CHEM212

Prerequisite: CHEM210 (Grade of C)

Lab Fee required

CHEM250

SPECIAL TOPICS IN CHEMISTRY

This course focuses on special topics in Chemistry. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Chinese

CHIN101

ELEMENTARY MANDARIN CHINESE I (3 Cr) (3:0)

This is an introductory course in Chinese emphasizing the fundamentals of speaking, reading, writing, and listening. The course focuses on building basic vocabulary and introducing students to the Chinese culture. It is designed for students with no Chinese experience.

CHIN102

ELEMENTARY MANDARIN CHINESE II (3 Cr) (3:0)

This course is a continuation of Elementary Mandarin Chinese I. Students with one prior semester of Chinese will expand their abilities in speaking, reading, listening and writing. They will develop more advanced usage of the Chinese language and will increase their understanding of the Chinese culture.

Prerequisite: CHIN101 (Grade of C) or two years of high school Chinese (Grade of C)

College Capstone

COLL101

FOUNDATIONS FOR SUCCESS (3 Cr) (3:0)

This is a student-centered course covering numerous strategies to encourage students to become active and empowered

COURSE DESCRIPTION

learners. A primary goal of this course is to help students make the most out of their college experience. Students will obtain information about college life and culture and develop strategies and techniques to enhance success in their academic, personal and professional lives. The course is infused with opportunities to understand, practice and implement critical thinking. Students will also gain practical information to help prepare to transfer to a four-year university or enter the workforce directly. All topics will be presented in both theory and practice. This course is required of all degree-seeking candidates and must be taken within the initial 16 credits after entry.

COLL201

CAPSTONE FOR LIBERAL ARTS (1 Cr) (1:0)

This course is for Liberal Arts degree seeking students who have completed at least 45 credits. The course is designed to assist students in the transition from the community college to a four-year educational institution or to placement in the work force. Students will engage in projects that require them to think critically about themselves and reflect on the knowledge gained during their community college experience. Students will also explore future academic and career-related paths and develop skills to enhance their success.

COLL203

CAPSTONE FOR CRIMINAL JUSTICE (1 Cr) (1:0)

This course is for all Criminal Justice degree-seeking students who have completed at least 45 credits. The course is designed to assist students in the transition from the community college to a four-year educational institution or to placement in the work force. Students will engage in projects that require them to think critically about themselves and reflect on the knowledge gained during their community college experience. Students will explore future academic and career-related paths and develop skills to enhance their success.

COLL204

CAPSTONE IN FILM STUDIES (1 Cr) (1:0)

This capstone course is for Communications: Film Studies Option students who have completed 45 credits. It is designed to assist students in the transition from the community college experience to a four-year educational institution or placement in a media-related environment. Students will be provided with practical experiences in film studies, culminating in the creation of a portfolio that demonstrates critical and technical competencies. The portfolio can include examples of the student having published film reviews (including pieces published in The College Hill, Idiom & Image, local daily and weekly publications, as well as online Websites) and/or provide evidence of having had films produced via cable television channels, online sources, or any other form of electronic media. In addition, through various writing assignments, students will demonstrate their ability to think critically about the value of their current educational experiences and assess its benefits.

Prerequisite: 45 credits or Permission of Program Coordinator

COLL205

COLLEGE CAPSTONE IN JOURNALISM (1 Cr) (1:0)

This capstone course is for Journalism Option students who have completed all journalism-related course requirements and have a total of 45 completed credits. Emphasizing the creation of a journalism portfolio and the writing of two personal essays, the course is designed to assist students in the transition to a four-year institution or to placement in the workforce. Students will think critically about the value of their education and assess its benefits. Two office meetings must be arranged with the

professor. One meeting must take place at the beginning of the semester; the other meeting should be arranged after the student has completed his or her portfolio and personal essays. In addition, personal interaction between the professor and the student will be maintained via a weekly exchange of email.

Prerequisite: successful completion of 45 credits (including completion of all Journalism Option requirements)

COLL206

CAPSTONE FOR ACCOUNTING AND BUSINESS (1 Cr) (1:0)

This course is intended for all students seeking to achieve a degree in Accounting, Business Administration or Business Management. Students must have completed 45 credits prior to course registration. This course is designed to assist students in the transition from the community college to a four-year educational institution or to placement in the work force. Students will engage in projects that require them to think critically about themselves and reflect on the knowledge gained during their community college experience. Students will also explore future academic and career-related paths and develop skills to enhance their success. This course is not intended for students who enroll in an internship or practicum course as part of a career or technical program of study.

Prerequisite: Completion of 45 credits. Course must be taken within one semester of graduation.

COLL207

CAPSTONE FOR PSYCHOLOGY (1 Cr) (1:0)

The course is designed to assist students in the transition from the community college to a four-year educational institution with a concentration in Psychology. Students engage in projects that require them to think critically about themselves and reflect on the knowledge gained during their community college experience. Students also explore future academic and career-related paths and develop skills to enhance their success in a psychology-related field.

Prerequisite: The course must be taken after the completion of 45 credits and is required for degree completion.

COLL208

CAPSTONE FOR COMPUTER SCIENCE AND INFORMATION SYSTEMS (1 Cr) (1:0)

This course is intended for all Computer Science and Information Systems degree seeking students who have completed at least 45 credits. The course is designed to assist students in the transition from the community college to a four-year educational institution or to placement in the work force. Students will explore future academic and career-related paths. Students will also engage in analysis, writings, and problem solving work that shall require them to think critically and reflect on the knowledge gained during their community college experience.

Prerequisite: Must have completed 45 credits

COLL209

CAPSTONE FOR ENVIRONMENTAL STUDIES (1 Cr) (1:0)

This capstone is for Environmental Studies students who have a total of at least 45 credits and are within one semester of graduation. It is designed to assist the students with the transition from the community college experience to a four year educational institution. Students will engage in analysis, writing and problem solving work that will require them to think critically and reflect on the knowledge gained during their time at Sussex

COURSE DESCRIPTION

County Community College.

Prerequisite: Must have completed 45 credits

COLL210 CAPSTONE FOR BIOLOGICAL AND CLINICAL STUDIES (1 Cr) (1:0)

This capstone course is designed to assist students in the transition from the community college experience to a four year educational institution. Students are required to creatively analyze, synthesize, and evaluate knowledge gained during previous semesters. Students will read several papers from the current research literature in their area of interest and will write a review paper on that topic. Additional assignments are designed to involve students in critical thinking and problem-solving. Throughout the semester students will engage in self-reflection activities related to their major and overall community college experience.

Prerequisite: Must have completed 45 credits

COLL211 CAPSTONE FOR MATHEMATICS & CHEMISTRY (1 Cr) (1:0)

This capstone course is for Engineering/Physics Option students who have completed all Engineering/Physics-related course requirements and have a total of 45 completed credits. It is designed to assist students in the transition from the community college experience to a four-year educational institution. Students will engage in analysis, writings, and problem-solving work that shall require them to think critically and reflect on the knowledge gained during their community college experience.

Prerequisite: Must have completed 45 credits

Communication

COMM101 INTRODUCTION TO MASS COMMUNICATION (3 Cr) (3:0)

This course examines the technical and socio-economic evolutions of print and electronic media with an emphasis on current ethical issues. Publishing, broadcasting and other emerging media are studied in terms of social and personal impact.

COMM110 INTRODUCTION TO RADIO AND TELEVISION BROADCASTING (3 Cr) (3:0)

This course examines the development of radio and television from historical, technical, business, programming, and regulatory perspectives. Special emphasis is given to how these industries currently operate and career opportunities within.

COMM120 INTRODUCTION TO MULTIMEDIA (3 Cr) (2:2)

This course introduces the student to the field of multimedia. The student will experience a convergence of media uses and explore recent technologies and trends in the area of multimedia. Hardware systems, videodisk design, flow charts, software tools, scripts and production will be covered. Students will work in groups to design and prepare a multimedia presentation.

Prerequisite: GRAD105

COMM130 TELEVISION PRODUCTION I (3 Cr) (2:2)

This course introduces students to the equipment and process

used to produce television programs. In SCCC's on-campus studio, students will learn basic skills and terminology utilized in the television industry.

COMM132 CINEMATOGRAPHY (3 Cr) (2:2)

This course serves as an introduction to the filmmaker's art. Film theory and basic history will augment an intensive examination of the image making process. Lectures, labs, and practical assessments will be used in the production of several small projects and a cooperative long-form project.

Prerequisite: COMM101, COMM110, COMM130 or Permission of Program Coordinator

COMM155/ MUSC155 LIVE SOUND PERFORMANCE (3 Cr) (2:2)

This course is designed to allow students an opportunity train in live sound support for public address set up and operations, live sound mixing for musical performances such as concerts, theatrical performances and special presentations requiring public address systems. Emphasis is on the theory and physical workings of a mixing console.

Lab Fee required

COMM180 EDITING (3 Cr) (3:0)

This course deals with copyediting, headline writing, news selection and layout of newspapers. It will contain supervised practice in editing news copy and writing headlines.

Prerequisite: ENGL101

COMM203 WRITING FOR THE MEDIA (3 Cr) (3:0)

This course introduces techniques for writing commercials, interviews, news and dramatic material to be broadcast. Theory and formatting of this specialized type of writing are practiced and analyzed.

COMM205 RADIO AND TELEVISION PERFORMANCE (3 Cr) (2:2)

This course introduces students to the equipment and process used to perform on radio and television. Through broadcasting facilities at SCCC, students will learn basic skills to perform as announcers, radio newscasters, on air DJ's, TV news and sports reporters, and voiceover specialists.

Prerequisite: COMM203

COMM210 MULTIMEDIA PRODUCTION (3 Cr) (2:2)

This course is a continuation of the basic course in multimedia with an emphasis on the design and creation of original multimedia presentations. In addition, students will design and specify the necessary hardware and software systems to create an effective product.

Prerequisite: GRAD240

Lab Fee required

COMM219 ONLINE JOURNALISM (3 Cr) (3:0)

This course is an introduction to on-line journalism. Students are required to have a computer and Internet access. Those enrolled in the course will have the opportunity to work within or create a Web page, via the College's existing Web site. Skills to be developed include: using the Internet, the World Wide Web, E-mail, and other electronic sources; producing

COURSE DESCRIPTION

newsworthy stories and creating attention-getting Web sites; finding and using accurate sources of electronic information; gathering, arranging, and analyzing data; using AP style; preparing investigative reports and creating in-depth feature pieces; as well as performing other electronic journalism-related assignments.

Prerequisite: ENGL101

COMM221 RADIO PRODUCTION AND BROADCASTING (3 Cr) (3:0)

This course examines the production of radio broadcasting to prepare the student for an on-air radio shift. It analyzes the creative responsibilities involved in the elements of a radio station broadcast day while following FCC rules. Students will be trained to use studio and remote audio equipment, operating the radio station automation equipment, practice in writing and producing a radio show, DJ and talk, directing, and performing in audio production. The student will be required to produce 1 hour of local radio programming for WRSK 97.5 LPFM.

COMM223 THE GOTHIC IN LITERATURE AND THE CINEMA (3 Cr) (3:0)

The Gothic in Literature and the Cinema will survey literature and cinema that are considered "Gothic." Characteristic themes will include authors' and directors' conceptions of death and decay, desire and sexuality, obsession and madness. The primary focus of the course will be on the study of literature and cinema. As a result, students will gain familiarity with and experience in: reading and analyzing literary texts; using literary and cinematic terminology (e.g., genre, allegory, character narrative, mis-scene, montage, auteur, etc.); and writing critical essays that compare and contrast literary and cinematic works. Novels and films will include: Mary Shelly's *Frankenstein*, Bram Stoker's *Dracula*, Sheridan Le Fanu's *Carmilla*, Shirley Jackson's *The Haunting of Hill House*, and Richard Matheson's *I Am Legend*. In addition, the short stories of Poe, Hawthorne, duMaurier, and others will be read, and films based on these authors' work and/or themes will be discussed.

Prerequisite: ENGL102 – Grade of C or higher

COMM225 PUBLIC RELATIONS (3 Cr) (3:0)

This online course provides an overview of the key elements involved in providing effective public relations for corporations, not-for-profit organizations, businesses, institutions, and government agencies. Elements to be covered will include methods of public relations research, strategic planning, preparing collateral materials, and writing effective press releases -ones that will ensure placement with media organizations.

Prerequisite: ENGL101 – Grade of C or higher or permission of Instructor

COMM230 CRITICAL ANALYSIS AND SURVEY OF THE CINEMA (3 Cr) (3:0)

This course will explore the film genres, film terms, and styles by examining the racially, ethnically, culturally and sexually diverse themes of producers and directors throughout the world. The course also will provide a historical survey of the cinema. Emphasis will be on writing critical pieces that demonstrate knowledge of aesthetic principles and culturally diverse themes

as they apply to film as an art form.

Prerequisite: ENGL101 or permission of Program Coordinator

COMM250 SPECIAL TOPICS IN COMMUNICATION

This course focuses on special topics in Communication. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

COMM280 INTERNSHIP IN BROADCASTING/RADIO (3 Cr) (0:9)

This course offers the students the opportunity to receive real life experiences in a broadcast radio station, satellite radio station, campus radio station, or audio recording facility. During this course, in real radio broadcast and audio recording situations, students will be required to perform as news and traffic reporters, on air talent, commercial voice overs, and marketing. The successful student will work closely with proven professionals in the field and will be required to perform under a deadline in the station and on live remote situations. This course affords the students the opportunity to sharpen their skills and perform important tasks to gain employment in their field of study.

Prerequisite: COMM205

COMM285 INTERNSHIP IN BROADCASTING/VIDEO PRODUCTION (3 Cr) (0:9)

This course offers students the opportunity to receive real life experiences in a broadcast, cable or industrial television production facility. During this course, in a real production situation, students will be required to perform as camera operators, lighting technicians, digital editors, audio assistants and production assistants for television programs in the production process. The successful student will work closely with proven professionals in the field and will be required to perform under a deadline. This course affords the students the opportunity to sharpen their skills and perform important tasks to gain employment in their field of study.

Prerequisite: COMM130

COMM290 INTERNSHIP PORTFOLIO: NEW MEDIA (2 Cr) (1:6)

This course serves as a professional work experience with web publishing jobs and new media assignments, either through co-op work placement or in-house assistance with design projects. Students will also be advised in assembling and presenting work for a portfolio.

Prerequisite: COMM219, COMM180, GRAD105

COMM291 PORTFOLIO PREPARATION AND PRESENTATION (1 Cr) (1:0)

In this course, students will develop a portfolio of professional quality that is representative of technical and creative skills and career objectives. Excellent portfolio organization and resume presentation will be stressed. Cover letters, interviewing styles, and image presentation will be discussed. Students will write their goals, both short and long range, create a resume and develop a digital and presented portfolio for critique suitable for presentation to a school, client, or job interview.

Corequisite: COMM290

Prerequisite: 24 Credits in the Major Field of Study

COURSE DESCRIPTION

Computer Science

COMS110 COMPUTER CONCEPTS & APPLICATIONS (3 Cr) (2:2)

This course is designed to provide the student with a level of knowledge necessary to function in today's technological society. Topics include computer and network terminology, hardware, software, and processing concepts. A large portion of the class time is dedicated to exercises performed using integrated software packages.

Prerequisite: MATH010 (Grade of C) or Appropriate Mathematics Placement Score

Corequisite: ENGL011 (Grade of C) or Higher (Second Level)

Lab Fee required

COMS111 IT FUNDAMENTALS (3 Cr) (2:2)

This course teaches the fundamentals of IT device installation, configuration, and maintenance of a systems hardware components through textbook and lab exercises. Students will learn all the skills they need to become certified professionals and customer-friendly technicians using today's tools and technologies.

Lab Fee Required

COMS113 INTRODUCTION TO INFORMATION SYSTEMS (3 Cr) (2:2)

This course is concerned with how organizations utilize information technology. The course deals with the operational activities involved in gathering, processing, storing, distributing and the use of information and its associated changing technologies. The case studies present students with managerial decision-making activities. Software platforms are used for the analysis.

Prerequisite: Proficiency on the College Placement Test

Lab Fee required

COMS114 INTRODUCTION TO COMPUTER SCIENCE I (3 Cr) (2:2)

This course introduces the student to the fundamentals of computer science using an emphasis on programming methodology and problem solving. Topics include introductory concepts of computer systems, algorithm design, programming languages, software engineering, and data abstraction with related applications. A high level programming language is completely discussed and is used as a means to demonstrate concepts.

Prerequisite: Proficiency on the College Placement Test

Lab Fee required

COMS115 INTRODUCTION TO COMPUTER SCIENCE II (3 Cr) (2:2)

This course, in a lecture/lab setting, is the continuation of COMS114. Topics include intermediate to advanced programming techniques with logical data structures and the design and analysis of such structures. The course also covers techniques for program development, algorithm analysis, efficiency, along with abstraction, an introduction to data structures, searching, sorting, recursion and string manipulation.

Lab Fee required.

Prerequisite: COMS114 or Equivalent

Lab Fee required

COMS120 COMPUTER SOFTWARE APPLICATIONS (3 Cr) (2:2)

This course is a comprehensive hands-on study of Office Automation which provides the student with extended knowledge of Windows, word processing, electronic spreadsheets, and data base management.

Prerequisite: COMS110 or Higher

Lab Fee required

COMS132 GAME PROGRAMMING (3 Cr) (2:2)

Elements of game programming are established with an emphasis on programming methodology, problem solving, and the graphics essential for game development. Topics include introductory game theory, algorithm design, programming languages, software engineering, and data abstraction with related applications. A high level programming language is completely discussed and is used as a means to demonstrate the concepts.

Prerequisite: COMS114 Introduction of Computer Science I or COMS142 Programming in C++

Lab Fee required

COMS141 LINUX FUNDAMENTALS FOR CYBERSECURITY (3 Cr) (2:2)

This course supplies critical knowledge for securing a Linux operating and also for using cybersecurity tools as a basis for future study in forensics. In a lab setting, concepts introduced range from proper set-up and installation of accounts through administration of devices, services, and processes – all with a focus on security through scripting.

Lab Fee Required

COMS142 PROGRAMMING IN C++ (3 Cr) (2:2)

This course is an introduction to programming in C++. The topics covered include data storage types, formatted input/output, logical and mathematical operators, user written functions, and one dimensional arrays. Students are required to write short programs to gain proficiency in the techniques taught.

Prerequisite: Proficiency on the College Placement Test

Lab Fee required

COMS143 ADVANCED PROGRAMMING IN C++ (3 Cr) (2:2)

This course is a continuation of COMS142, presenting some of the more advanced features of programming in C++. The topics covered will include multidimensional arrays, strings, file input/output, data structures and object oriented techniques.

Prerequisite: COMS142 or Equivalent

Lab Fee required

COMS148 INTRODUCTION TO LINUX (3 Cr) (2:2)

This course is designed to familiarize students with the Linux operating system, which has all of the features of a modern, fully fledged operating system: true multitasking; virtual

COURSE DESCRIPTION

memory; shared libraries; demand loading; shared, copy-on-write executables; proper memory management; and TCP/IP networking. Students will learn to install the OS, and use its command interface and graphical interface(s). Samba, and networking with TCP/IP in the Linux environment will also be discussed.

Prerequisite: COMS113 or COMS114 or COMS142

Lab Fee required

COMS155

WEB SITE DEVELOPMENT I (3 Cr) (2:2)

This course is an introduction to Web Site Development. Students will receive intensive hands-on experience in coding web pages, including linking, layout and design, forms, graphics, security concerns, and maintaining a Web Site. Basic computer operating skills strongly recommended.

Lab Fee required

COMS156

WEB SITE DEVELOPMENT II (3 Cr) (2:2)

This course is a continuation of Web Site Development I. Students will move into more complex techniques that may include, but are not limited to, Cascading Style Sheets, an introduction to scripting and CGI/Server-side scripting, and XML.

Prerequisite: COMS155 (grade of C or better)

Lab Fee required

COMS210

SYSTEMS ANALYSIS & DESIGN (3 Cr) (2:2)

This course, in a lecture/lab setting, examines techniques of computer systems analysis and design with an emphasis on structuring a computer system based on the needs of the user. Final projects will provide students with practical use of contemporary system analysis and design tools.

Prerequisite: COMS113 or COMS114 or COMS120 or COMS142

Lab Fee required

COMS218

DATABASE MANAGEMENT SYSTEMS (3 Cr) (2:2)

This course presents the concepts of database systems and data models. Topics include introductory to advanced design concepts, implementation, SQL, integrity, management and performance, web technologies, administration and security.

Prerequisite: COMS113 or COMS114 or COMS120 or COMS142

Lab Fee required

COMS221

OPERATING SYSTEMS (3 Cr) (2:2)

This course, in a lecture/lab setting, is an introduction to the concepts and facilities of operating systems and control language software. Topics include multi-programming, timesharing, virtual storage and the management of programs and data within the system. Different types of operating systems will be discussed.

Prerequisite: COMS114 or COMS142

Lab Fee Required

COMS223

DATA STRUCTURES (3 Cr) (2:2)

This course, in a lecture/lab setting, focuses on intermediate to advanced programming topics dealing with logical structures of data, together with the design and analysis of related algorithms. Topics include arrays, lists, linked lists, trees, stacks, graphs,

and memory management. Algorithms for searching, sorting and information retrieval are also explored. Students demonstrate proficiency by completing laboratory assignments.

Prerequisite: COMS115 or COMS143 Recommended

Lab Fee required

COMS225

COMPUTER AIDED DESIGN (CAD) (3 Cr) (2:2)

This course is an introduction to the principles of Computer-Aided Design (CAD) and the operation of CAD Systems. Students will use data entry devices to prepare working diagrams and schematic designs on industrial level workstations with Auto CAD.

Prerequisite: Prior exposure to microcomputers and/or drafting

Lab Fee required

COMS226

COMPUTER AIDED DESIGN II (CAD) (3 Cr) (2:2)

This course is the follow-up for COMS225 Computer Aided Design (CAD). It includes intermediate to advanced topics utilizing AutoCAD. Students will extend their knowledge of 2D and 3D CAD design, drafting, modeling, architectural drawing, and engineering. Applied projects are integrated into class lectures.

Prerequisite: COMS225 or Equivalent

Lab Fee required

COMS227

E-COMMERCE (3 Cr) (2:2)

This course is designed to have students explore how the Internet and various online technologies are impacting business enterprises. Students will focus on two major topic areas: the relationship between corporate strategies and technology, and an overview of the requirements of launching and managing an e-commerce website.

Prerequisite: BUSA101 or any COMS course

Lab Fee required

COMS228

INTERNET MARKETING (3 Cr) (2:2)

This course is designed to study the various web sites of business to better understand important strategies for marketing products and services on the Internet. Students will apply the techniques learned to develop effective web sites.

Prerequisite: BUSA101 and COMS155

Lab Fee required

COMS230

NETWORKS AND TELECOMMUNICATIONS (3 Cr) (2:2)

This course is an introduction to data communications. Topics include various transmission systems, hardware, software and local area networks. Laboratory assignments will include the installation and maintenance of a local area network -Novell NetWare.

Prerequisite: COMS113 or COMS114 or COMS120 or COMS142

Lab Fee required

COMS233

INTERNETWORKING DESIGN (3Cr) (2:2)

This course builds upon the student's understanding of the basic concepts of networking technology and design. Router; components, commands, setup and configuration are developed

COURSE DESCRIPTION

and performed by the students. Juniper, routing operating systems are discussed. Wide Area Networking routing and routing protocols, IP addressing and network troubleshooting are introduced and discussed.

Prerequisite: COMS232

Lab Fee Required

COMS234 NETWORKING MANAGEMENT AND SECURITY (3 Cr) (2:2)

This course builds upon the student's understanding of the concepts of networking technology and design. Advanced routing techniques such as Virtual LAN's and Access Control Lists are discussed and configured. Routing protocols are introduced and discussed. Network management is introduced and demonstrated.

Prerequisite: COMS233

Lab Fee Required

COMS239 FUNDAMENTALS OF COMPUTER ARCHITECTURE (3 Cr) (2:2)

This course is an introduction to computer organization and architecture. Topics covered are the overview of the early Von Neumann model through modern architectural models. Topics also presented include data representation, digital logic, circuit diagrams, assembly language organization, processors, memory addressing, memory storage, input/output processing, and interfaces.

Corequisite: COMS114 or COMS142

Lab Fee required

COMS240 COMPUTER INFORMATION SYSTEMS INTERNSHIP (3 Cr) (1:6)

This is a college-supervised program in a data processing environment. The course is designed to expose students to the methods and procedures utilized by data processing professionals.

Prerequisite: Permission of the Program Coordinator

COMS250 SPECIAL TOPICS IN COMPUTER INFORMATION SYSTEMS

This course is designed to address specific topics in Computer Information Systems. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Lab Fee required

Prerequisite: COMS112 or permission of the Program Coordinator

Cosmetology

COSM101 PRINCIPLES AND PROCEDURES I (7 Cr) (3:8)

This course is an introduction and overview to cosmetology principles, procedures, and hands on skills will be covered. Topics include hair styling implements, equipment, bacteriology, scalp abnormalities and diseases, corrective treatments, sanitation, sterilization, wigs and hair pieces, draping, basic sectioning, shampoos, rinses, finger waves, pin curls, braids,

rollers, combing, brushing, blow drying, school safety, cosmetology safety, math skills, histology of hair, and the composition, function, requirements, and procedures of the State Board of Cosmetology and Hairstyling Exam. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to complete additional studio/lab time to meet the number of class hours required by the state.

Prerequisite: Proficiency on the English and Basic Math portion of the Placement Test.

Lab Fee required

COSM105 PRINCIPLES AND PROCEDURES II (7 Cr) (3:8)

This course is an introduction to basic services of cosmetology and a comprehensive overview of the history of coloring will be explored. Topics include the principles and procedures, using creative expression and artistry, for hair cutting, coloring, lightening, scalp and hair analysis, and permanent waving. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to complete additional studio/lab time to meet the number of class hours required by the state.

Prerequisite: COSM101

Lab Fee required

COSM108 PRINCIPLES AND PROCEDURES III (7 Cr) (3:8)

This course is instruction in understanding the structure, diseases and disorders of skin, face, head, neck, bones, nerves, hands and nails will be explored. Topics include histology of skin, history of barber shaving, skin care, facial massage, trimming of facial hair (including beard and mustache, eyebrow, ear and nose hair trim), straight razor shave procedure, paraffin wax treatment, basic cosmetics, manicures, pedicures, artificial nails, nail diseases/disorders, nail repair, and any corrective treatments. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to complete additional studio/lab time to meet the number of class hours required by the state.

Prerequisite: COSM101

Lab Fee required

COSM110 SCIENCE AND ETHICS FOR COSMETOLOGY (7 Cr) (3:8)

This course is instruction in understanding the science as it relates to cosmetology, and a study into ethical practices for the licensed professional will be incorporated. Topics include physiology, osteology, myology, neurology, and chemistry as they are related to the cell/tissue structure, circulatory, endocrine, excretory, digestive, respiratory, reproductive and body systems affected by cosmetology. Additionally business practices, laws regulations, and ethics practices will be explored. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to complete additional studio/lab time to meet the number of class hours required by the state.

Prerequisite: COSM105 and COSM108

Lab Fee required

COURSE DESCRIPTION

COSM115

PRACTICAL APPLICATION I (4 Cr) (0:8)

In this course students will independently and safely practice cosmetology methods, while also continuing to accrue the necessary hours to sit for the NJ State Board Examination. Topics include the art of soft selling products and services, and providing services for clients in a salon atmosphere. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to complete additional studio/lab time to meet the number of class hours required by the state.

Prerequisite: COSM105 and COSM108

Lab Fee required

COSM201

PRACTICAL APPLICATION II (4 Cr) (0:8)

In this course students will independently and safely practice cosmetology methods, while also continuing to accrue the necessary hours to sit for the NJ State Board Examination. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to complete additional studio/lab time to meet the number of class hours required by the state. Additionally students will prepare for the New Jersey State Board Exam.

Prerequisite: COSM110 and COSM115

Lab Fee required

Criminal Justice

CRJS100

INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM (3 Cr) (3:0)

This course is an overview of the criminal justice system in the United States. Topics include a study of the criminal justice system, the police, courts, and corrections.

This course is a prerequisite for all other criminal justice courses except CRJS105 and CRJS110.

CRJS101

LAW ENFORCEMENT (3 Cr) (3:0)

This course studies the police function in modern society. Topics will include methods of selection and training, police discretion, the use of force and the police role in the community.

Prerequisite: CRJS100

CRJS105

CRIMINOLOGY (3 Cr) (3:0)

This course studies crime as a social phenomenon. Topics include crime statistics, theories of the causes of crime, criminal typologies, the limits of the law and societal responses to crimes and criminals. Students are encouraged to take Introduction to Sociology (SOCA101) before enrolling in this course.

CRJS110

CRIMINAL LAW (3 Cr) (3:0)

This course is a study of the principles of criminal law in the United States. Topics will include the adversary system, principles of justification and excuse, arrest, search, and seizure. The New Jersey Code of Criminal Justice and the procedural guarantees of the U.S. and NJ Constitutions will be examined.

CRJS115

JUVENILE JUSTICE (3 Cr) (3:0)

This course is a study of the historical foundations for the

establishment of Juvenile Courts in the United States. Topics include the juvenile justice process, functions of juvenile justice system components, sociological concepts and theory of the adolescent subculture.

Prerequisite: CRJS100

CRJS120

INTRODUCTION TO LEADERSHIP FOR THE LAW ENFORCEMENT PROFESSIONAL (3 Cr) (3:0)

This course is designed to provide an introduction to the historic, theoretical, and practical aspects of leadership from the viewpoint of the law enforcement professional. Students will study different forms of leadership in a variety of organizational settings, including business, government, politics, education, spiritual, and community frameworks. A number of critical leadership issues will also be addressed, including power, authority, influence, team building, coalitions, diversity, multiculturalism, ethics, and values.

CRJS121

LEADERSHIP PROCESSES AND APPLICATIONS IN THE PUBLIC SECTOR (3 Cr) (3:0)

This course is designed to acquaint and prepare law enforcement professionals for leadership roles in the community and their profession. The course emphasizes the practical application of leadership practices in a variety of settings with special attention given to the use of successful planning techniques in the field of law enforcement. Specific topics include power and influence, tasks and relationships, the development of useful leadership skills, fundamentals of strategy, strategic planning, and related planning processes.

CRJS122

LEADERSHIP AND MOTIVATION IN THE PUBLIC SECTOR (3 Cr) (3:0)

This course is designed to acquaint students with the basic theories of motivation and help them understand the interplay of leadership and motivation within the public sector and the unique challenges of supervision and leadership in that environment. Students will have the opportunity to engage in self-assessment and reflection as they consider their own leadership styles, personal motivation, and factors that motivate others in the public sector workplace. Group dynamics and intergroup conflict are also considered.

CRJS123

ETHICS AND INTEGRITY IN PROFESSIONAL PUBLIC LEADERSHIP (3 Cr) (3:0)

This course examines the ethical dilemmas of leadership, the foundations and context of moral choice, the moral implication of decision-making within public organizations, and the impact of those decisions upon staff, organizational morale, personal integrity, and society at large. Emphasis is placed on the critical role that leaders play as they engage with an organization's ethical culture and attempt to communicate and reinforce expectations for ethical behavior. Issues affecting public sector leaders are given special attention.

CRJS140

HEALTH AND FITNESS FOR THE PUBLIC SAFETY PROFESSIONAL (3 Cr) (3:0)

This course will explore basic concepts of health and physical fitness for the public safety professional. It will provide the student with the means for self-evaluation through various testing situations. It will also assist students in the development

COURSE DESCRIPTION

and maintenance of a healthy lifestyle as needed for a career in the public safety field: Police officers, Firefighters, Corrections, Court personnel working for Federal, State or local agencies. Topics investigated are lifestyle issues in wellness including cardiovascular function, weight management and nutrition, strength, flexibility, stress management and principles/programs of exercising.

CRJS141 MOTOR VEHICLE LAW AND TRAFFIC ENFORCEMENT (3 Cr) (3:0)

This course explores the motor vehicle laws for the State of New Jersey and how those laws pertain to traffic enforcement for police officers. Topics addressed in the course include: registration and licensing of motor vehicles; equipment violations; parking violations; driving while intoxicated (alcohol and drugs); breathalyzer (alco-test) and blood alcohol content; accident investigation, fatal accident investigation; radar, highway, and traffic signs; pedestrians and bicycles; standard operating procedures for motor vehicle stops; search and seizure of motor vehicles; courtroom testimony; and fines and penalties for operation offenses.

CRJS142 TERRORISM AND HOMELAND SECURITY (3 Cr) (3:0)

This course examines the response of the law enforcement community to both domestic and international terrorism, with a special emphasis on the origins of terrorism. Related topics include an examination of the terrorist's mindset, the rise of extremist groups, the role of special interest/anarchist groups, terrorist financing, the management of domestic terrorism, the role of intelligence, concepts of threat assessment, and legal considerations associated with terrorist intelligence and management strategies.

CRJS150 POLICE PATROL ADMINISTRATION (3 Cr) (3:0)

This course introduces basic patrol strategies and focuses on techniques and procedures used in the prevention and detection of crimes.

Prerequisite: CRJS100

CRJS180 CORRECTIONS (3 Cr) (3:0)

This course is a survey of the theories and applications of correctional practices in both community and institutional models. The physical, educational, and social aspects of incarceration are studied with respect to their impact on the rehabilitative prospects of the inmate.

Prerequisite: CRJS100

CRJS210 CRIMINAL INVESTIGATION (3 Cr) (3:0)

This course is an introduction to the field of crime investigation and the detective function. Attention is focused on the history of crime detection, the evolution of scientific investigation, and the methodologies of detection, apprehension and conviction of criminal offenders.

Prerequisite: CRJS100

CRJS215 CRIMINAL COURT PROCEDURES (3 Cr) (3:0)

This course is a comprehensive review of substantive criminal law and criminal due process. The importance of constitutional law to these fields is emphasized, as are practical insights into

the operations of the criminal court system.

Prerequisite: CRJS100

CRJS220 CONTEMPORARY ISSUES IN LAW ENFORCEMENT (3 Cr) (3:0)

This course addresses current issues in law enforcement. Analysis and solutions are sought for such topics as community relations, corruption, AIDS, the role of politics, etc.

Prerequisite: CRJS100

CRJS221 VICTIMOLOGY (3 Cr) (3:0)

This course introduces students to the central questions and research in the field of victimology beginning with a historical overview through contemporary theory and practice. It is focused on examining the role of victims in the criminal process, problems on examining the role of victims in the criminal process, problems of adjustment to victimization, the complexities of victim/offender relationships, violence and victimization, issues of victim compensation, restorative justice, victim's rights and future directions for victimology as a field of study. Several victim typologies will also be addressed. This course provides the student with the tools necessary for critical evaluation and understanding of the often neglected role of the victim before, during and after the criminal event.

CRJS223/LEGA223/POLS223 CONSTITUTIONAL LAW (3 Cr) (3:0)

This course will examine the U.S. Constitution as the framework for government. Leading decisions of the U.S. Supreme Court will be analyzed in the areas of Civil Rights and Civil Liberties with emphasis on the Bill of Rights, and the 13th, 14th, and 15th amendments.

CRJS225 COMMUNITY CORRECTIONS (3 Cr) (3:0)

This course examines the major types of community based correctional alternatives ranging from probation to weekend incarceration and halfway houses. Attention is given to correctional law, personnel development, correctional management, controversies, political pressures and emerging trends.

Prerequisite: CRJS100

CRJS230 PRACTICUM IN CRIMINAL JUSTICE AGENCY OPERATIONS (3 Cr) (3:0)

This course applies theory to the actual functioning of local agencies of the criminal justice system. Students are exposed to the theoretical underpinnings of such agencies as the police, prosecutor, public defender, courts, jails, prisons and emergency management response agencies. Extensive opportunities to participate in the actual operations of these agencies are also provided.

Prerequisite: 30 credits including 12 in criminal justice, 3.0 GP A and permission of coordinator

Prerequisite: 30 credits including 12 in criminal justice, 2.8 GP A and permission of coordinator

CRJS250 SPECIAL TOPICS IN CRIMINAL JUSTICE

This course is designed to address specific topics in Criminal Justice. Since the topics may change each time the course is

COURSE DESCRIPTION

offered, students should consult the course-offering schedule each semester.

Prerequisite: CRJS100

CRJS288

CRIMINAL JUSTICE PORTFOLIO DEVELOPMENT AND PROCESS (3 Cr) (3:0)

This course utilizes the process of prior learning assessment (PLA) to award college-level credit for learning and knowledge that students have acquired through work experience, in-service training, police academy training, and practical experience in the field of criminal justice. Under the supervision of the instructor, students will develop narrative essays, portfolios, and related materials that document prior learning and mastery of specific competencies.

Prerequisite: In order to be considered for the Prior Learning Assessment (PLA) course, the student must present documented evidence of at least five years of active experience in law enforcement, corrections, or a broadly related criminal justice background.

Culinary

CULA101

PRACTICUM I (1 Cr) (0:3)

This course introduces the student to is the first of three hands-on practicum classes which allows students to practice the skills and knowledge taught in the classroom in a real-world environment. Students follow set criteria and guidelines in a progressive learning structure to master general practices in the hospitality industry including workplace behavior, marketing, banquet logistics, and small business procedures.

CULA103

FOOD SANITATION (1 Cr) 1:0)

This course provides the student with an in-depth study of food microbiology and a review of significant food-borne illnesses. Emphasis will be placed on food safety and adherence to local, state and federal regulations that address food service sanitation. The course is intended to prepare students for the National Restaurant Association Educational Foundation Certification exam and the New Jersey State Department of Health Food Service Managers Sanitation course exam.

CULA105

BASIC CULINARY SKILLS (3 Cr) (1:4)

This course introduces the student to the fundamentals that are required to be a professional culinarian. Topics such as knife skills, stocks, sauces, soups as well as recipe conversion, costing and product identification are all covered in this course. These are the basic building blocks that are required for future culinary success.

Lab Fee required

Prerequisites: CULA103

All Culinary classes must be completed with C or better to progress.

CULA107

FOOD PRINCIPLES (3 Cr) (1:4)

This course provides the student with an in-depth study of food microbiology and a review of significant food-borne illnesses. Emphasis will be placed on food safety and adherence to local, state and federal regulations that address food service sanitation. The course is intended to prepare students for the National Restaurant Association Educational Foundation

Certification exam and the New Jersey State Department of Health Food Service Managers Sanitation course exam.

Lab Fee required

Prerequisites: CULA103, CULA105, CULA110

All Culinary classes must be completed with C or better to progress.

CULA110

MEAT FABRICATION (3 Cr) (1:4)

This course introduces the student to a structured environment with a hands-on practical meat cutting experience. In this course students will fabricate cuts for the production restaurant. They will also deal with whole carcasses and primal cuts. Students are also introduced to meat-grading procedures and techniques and to the identification of meat quality and familiarization with yield testing.

Lab Fee required

Prerequisites: CULA103 & CULA105. All Culinary class must be completed with C or better to progress.

CULA118

GARDE MANGER (3 Cr) (1:4)

This course introduces the student to Garde Manger (cold foods) it takes a systems approach to the planning and preparation of cold foods as another conventional types of food preparation. Cold kitchen principles are thoroughly covered in the sanitation, menu planning, purchasing, preparation, presentation, and storage of cold foods. Students will learn how to tailor the guidelines of cold food preparation to fit the specific needs of any operation.

Lab Fee required

Prerequisites: CULA103, CULA105, CULA107, CULA110

All Culinary class must be completed with C or better to progress.

CULA122

BASIC BAKING (3 Cr) (1:4)

This course introduces the student to baking as a systems approach to the introduction, planning and preparation of baked goods. Beginning baking principles are introduced in the planning, purchasing, preparation, presentation, and proper storage of basic baked goods. Students learn how to tailor the guidelines of learned baking techniques to fit the specific needs of any operation.

Lab Fee required

Prerequisites: CULA103, CULA105, CULA107, CULA110, CULA118

All Culinary class must be completed with C or better to progress.

CULA135

ADVANCED BAKING AND PASTRY (3 Cr) (1:4)

This course introduces the student to an extensive, hands-on approach to the planning and preparation of advanced baked goods. Advanced baking principles are applied in the planning, purchasing, preparation, presentation, and proper storage of baked goods. Students tailor the guidelines of baking techniques to fit the specific needs of any operation.

Lab Fee required

Prerequisites: CULA103, CULA105, CULA107, CULA110, CULA118, CULA122

All Culinary class must be completed with C or better to progress.

COURSE DESCRIPTION

CULA140

BREAKFAST AND LUNCH COOKERY (3 Cr) (1:4)

This course introduces the student to a systems approach to sanitation, planning, preparation, and resource management. Cooking principles are thoroughly covered with respect to nutrition and preparing, purchasing, receiving, storing, and serving food. Students adapt the topics covered to fit the specific needs of any operation. Lab Fee required

Prerequisites: CULA103, CULA105, CULA107, CULA110, CULA118, CULA122, CULA135.

All Culinary class must be completed with C or better to progress.

CULA170

PRACTICUM II (1 Cr) (0:3)

This course is the second of three hands-on practicum classes which allows students to practice the skills and knowledge taught in the classroom in a real-world environment. Students follow set criteria and guidelines in a progressive learning structure to master general practices in the hospitality industry including workplace behavior, marketing, banquet logistics, and small business procedures.

Prerequisites: CULA101

CULA202

ITALIAN CUISINE (3 Cr) (1:4)

This course introduces the student to classical Italian cuisine. Students explore the many different regions of Italy and prepare dishes from each region. Students also learn the interworking of the restaurant environment which enhances their career success in the culinary arts. Lab Fee required

Prerequisites: CULA103, CULA105, CULA107, CULA110, CULA118, CULA122, CULA135, CULA140

All Culinary class must be completed with C or better to progress.

CULA210

INTERNATIONAL CUISINE (3 Cr) (1:4)

This course introduces the student to international cuisine it takes a hands on approach to the planning, development and creation of food styles from around the world. Cooking principles are thoroughly covered including sanitation, ethnic ingredients, menu planning, cooking techniques and plate presentation. Cuisines that will be covered are Indian, Asian, Mexican, Italian, Mediterranean and Spanish.

Lab Fee required

Prerequisites: CULA103, CULA105, CULA107, CULA110, CULA118, CULA122, CULA135, CULA140, CULA202

All Culinary class must be completed with C or better to progress.

CULA220

PRACTICUM III (1 Cr) (0:3)

This course is the last of three hands-on practicum classes which allows students to practice the skills and knowledge taught in the classroom in a real-world environment. Students follow set criteria and guidelines in a progressive learning structure to master general practices in the hospitality industry including workplace behavior, marketing, banquet logistics, and small business procedures.

Prerequisites: CULA101, CULA170

CULA235

CLASSICAL FRENCH CUISINE (3 Cr) (1:4)

This course introduces the student to Classical French Cuisine in a hands-on environment where students will explore the evolution of modern day cuisine. This course covers the various regions of France emphasizing indigenous ingredients and preparation methods.

Lab Fee required

Prerequisites: CULA103, CULA105, CULA107, CULA110, CULA118, CULA122, CULA135, CULA140, CULA202, CULA210

All Culinary class must be completed with C or better to progress.

CULA255

NORTH AMERICAN CUISINE (3 Cr) (1:4)

This course introduces the student to North American cuisine takes a hands on approach to the planning, development and the creation of popular food styles from North America. Cooking principles and practices are thoroughly covered including sanitation, preparation, ingredient identification, menu planning, cooking techniques and plate presentation.

Lab Fee required

Prerequisites: CULA103, CULA105, CULA107, CULA110, CULA118, CULA122, CULA130, CULA135, CULA140, CULA202, CULA210, CULA235

All Culinary class must be completed with C or better to progress.

CULA280/HOST280

HOSPITALITY AND CULINARY ARTS INTERNSHIP

(2 Cr) (0:6) (course code change from HOST280 to CULA280/HOST280 on 4 2018)

This course is designed to give the culinary arts or hospitality student professional work experience in a job related to the specific program. The student will receive hands-on work experience in a job related to the program, complete course assignments, and develop a portfolio.

Prerequisite: Permission of Coordinator or Chair

Cyber Crime

CYBR100

INTRODUCTION TO CYBER CRIME (3 Cr) (3:0)

The student will focus on technology-based crimes. Explore cyber forensics including information warfare, cyber terrorism, information theft, data corruption, and disruption of service. Discussion on computing devices as instruments furthering exploitation of children, organized crime and other criminal acts. Identify vulnerabilities within national and private infrastructure, assess risks and security measures.

Prerequisite: COMS 110

CYBR101

Digital Forensics I (3 Cr) (3:0)

The student will explore a professional approach to computer and cyber crime investigations. Students will learn to identify potential electronic evidence, create strategies to locate and recover evidence and perform forensic analysis in a lab setting. Students will discuss legal and ethical considerations of computer crime investigations.

Lab Fee Required

Prerequisite: COMS 110/CYBER 100

COURSE DESCRIPTION

CYBR102

CYBER LAW (3 Cr) (3:0)

Students will explore methods of investigating and preventing cybercrimes and infringements upon information security. Students will discuss laws governing e-commerce and intellectual property protections, focusing on Landmark and other cases such as Napster. The class will also debate privacy rights and free speech on the internet.

Prerequisite: CYBR 100

CYBR103

DIGITAL FORENSICS II (3 Cr) (3:0)

This course provides Students the opportunity to recover and analyze evidence using industry standard commercial grade Guidance Software EnCase Forensics v8 and Mobile Investigator. The students practice preserving digital evidence, recovering deleted evidence, performing USB analysis, and analyzing cellphone data in a lab setting. In addition, students also examine Digital Forensics & eDiscovery best practices. They will explore approaches to Network Forensic investigations and insider threats while using investigation results to develop reports and courtroom testimony.

Lab Fee Required

Prerequisites: CYBR 100/CYBR 101/CYBR 102

CYBR110

PRACTICUM IN CYBER CRIME INVESTIGATION (1 Cr) (0:2)

This course provides experience in Cybercrime investigations of technology security. Emphasis is placed on student involvement dealing with security issues or computer crime activities. Upon completion, students should be able to successfully analyze, retrieve erased evidence and testing in mock proceedings against their criminal entrepreneurs.

Prerequisite: CYBER 100/101/102/103

Diesel

DESL102

DIESEL ENGINES (3 Cr) (2:2)

This course introduces students, in a lecture and lab setting, to the basic principles of diesel engines and systems. The course covers component nomenclature, function, and analysis, as is the proper usage of hand tools, measuring instruments, and equipment.

Lab Fee required.

DESL103

DIESEL DRIVETRAIN (3 Cr) (2:2)

This course provides students, in a lecture and lab setting, with in-depth coverage of diesel transmissions and drivetrain components. Students troubleshoot and repair transmission and clutch failures. Students inspect and service drive axle and related components.

Lab Fee required.

DESL104

BRAKE SYSTEMS (3 Cr) (2:2)

This course introduces students, in a lecture and lab setting, to the basic principles of diesel brake systems and operation. Students explore advanced concepts and schematics including anti-lock, air, pneumatic, hydraulic brake systems, and related components.

Lab Fee required.

DESL105

STEERING AND SUSPENSION (3 Cr) (2:2)

This course introduces students, in a lecture and lab setting, to the design, function, maintenance, and repair of steering and suspension systems. Students explore component repair, alignment procedures, and tire and wheel service.

Lab Fee required.

DESL106

ELECTRICAL SYSTEMS (3 Cr) (2:2)

This course introduces students, in a lecture and lab setting, to the basic principles of electrical systems of diesel powered equipment. Students explore the operation of starters, alternators, and batteries.

Lab Fee required.

DESL107

HEATING AND AIR CONDITIONING SYSTEMS (3 Cr) (2:2)

This course introduces students, in a lecture and lab setting, to the basics of heating, ventilation, and air conditioning theory, testing, and repair. Students explore refrigerant recovery, safety procedures, specialized tools, and repairs.

Lab Fee required.

Design

DESN101

PRINCIPLES OF DESIGN I (3 Cr) (2:2) + Studio 1 Hr.

This course combines the history of design from the industrial revolution to the present with practicable knowledge and exercises in scale and proportion through two and three dimensional drawing and/or building problems. Students will explore influences of past design on our present culture through projects including architectural, interior design, and furniture design concepts. Emphasis will be placed on the refinement of sketching and mechanical drawing to realize individual ideas. Projects will explore relationships between historical and cultural special systems and the relationship to the human proportion. Students will be expected to develop a complete original design concept and to articulate the development of that visual concept within the historical framework.

Prerequisite: ARTA101, ARTA108

Lab Fee required

DESN102

PRINCIPLES OF DESIGN II (3 Cr) (2:2) + Studio 1 Hr.

This course is a continuation of Principles of Design I and continues to focus on the elements of design methodology and visual problem solving. Projects will continue to advance students ability to translate ideas through mechanical drawing and sketching techniques. Students will be expected to formulate and develop original design concepts from inception through the varied stages to completion. Additionally, emphasis will be placed on the finished presentation of the project. Projects will explore industrial design, decorative arts, fashion, furniture, and interior design.

Prerequisite: DESN101

Lab Fee required

DESN120

HISTORY OF DESIGN (3 Cr) (3:0)

This broad based survey course tracks major developments in the field of design in the areas of architecture, furniture design, fashion, industrial design and interior design emphasizing multi-

COURSE DESCRIPTION

cultural and historical contexts. The development of schools and trends, the relationships between historical, cultural, and political movements and the interaction of art, design, and culture are fully explored.

DESN201

ADVANCED STUDY IN DESIGN (3 Cr) (2:2) + Studio 1 Hr.

This is an advanced course that encourages design option students to develop individual preferences within the design field. Each student in the class will concentrate on his/her own chosen area, i.e.; industrial design, interior design, fashion design, furniture design, decorative arts, etc. Each student will be expected to articulate their intention with regards to their individual projects and to explore various techniques within their particular genre.

Prerequisite: DESN102

Lab Fee required

DESN202

FASHION CONSTRUCTION I (3 Cr) (2:2)

This studio course in Fashion Design introduces the student to design, construction and presentation of clothing and costuming. Through lectures and labs, students will explore techniques, fabrics, tools, and equipment to develop the skills needed by the professional couturiere.

Prerequisite: Permission of Program Coordinator

Lab fee is required.

DESN203

FASHION CONSTRUCTION II (3 Cr) (1:4)

This course develops skills relevant to the Fashion Design Industry through advanced techniques in design, construction and presentation of clothing and costuming in the studio. Students explore techniques, fabrics, tools, and equipment used by the professional couturiere. Studio fee required.

Prerequisite: DESN202

Lab Fee required.

DESN250

SPECIAL TOPICS IN DESIGN

This course focuses on special topics in Design. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Economics

ECON101

MACROECONOMICS (3 Cr) (3:0)

This course is an analysis of major economic concepts. Topics include the elements of national income; the economic roles of government and labor; classical economics; monetary institutions and policies; the Keynesian model and modern fiscal policy; the macroeconomic aspects of world trade.

ECON102

MICROECONOMICS (3 Cr) (3:0)

This course is an exploration of economic factors that affect the firm and individual consumers. Topics include the laws of supply and demand, elasticity, consumer demand and utility theory, production, pricing, competitive behavior, monopoly and imperfect competition, labor economics, international trade.

ECON250

SPECIAL TOPICS IN ECONOMICS

This course focuses on special topics in Economics. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Education

EDUC202

HISTORICAL AND PHILOSOPHICAL PATTERNS IN EDUCATION (3 Cr) (3:0)

This course examines the societal philosophies which have influenced the historical development of educational theory and practice.

EDUC203

CURRICULUM DESIGN (3 Cr) (3:0)

This course focuses on issues and practices related to curriculum and design. Students will reflect upon public school curricula, its organization, sequence and implementation. The course will include gaining knowledge of the New Jersey Core Curriculum Standards. Students will prepare, plan, and deliver lessons based on an understanding of curricular issues, including philosophies upon which the curricula are based.

Prerequisite: 32 Credits with a G.P.A. of 2.75

EDUC250

SPECIAL TOPICS IN EDUCATION

This course focuses on special topics in Education. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

EDUC275

WORKING WITH SPECIAL NEEDS CHILDREN IN EARLY CHILDHOOD (3 Cr) (3:0)

This course will give techniques for each childhood professionals to use when integrating children with special needs into classrooms.

Prerequisite: ENGL101, PSYC101

EDUC286

PRINCIPLES AND PRACTICES OF TEACHING AS A PROFESSION (3 Cr) (3:0)

This course introduces the basic elements of teaching, such as classroom management, literacy, diversity of learners, lesson planning, multicultural education, and teaching methodologies. Students observe in a public school setting, interview a teacher. Effective speaking and writing skills are an integral part of the assessment of students in this course. Students utilize professional teaching standards to assess their teaching styles and abilities as future teachers. Familiarity with the New Jersey Core Curriculum Content Standards is also a component of this course.

Prerequisite: 32 Credits with a GPA of 2.75

EDUC291

PORTFOLIO DEVELOPMENT IN EDUCATION (1 Cr) (1:0)

This course is for degree seeking students in the Liberal Arts Education Option, who have completed 45 credit hours. The course is designed to assist students in the transition from the community college experience to a four year educational institution or to placement in the work force within the education field. Emphasis is placed on the development of a professional portfolio that documents coursework and experiences relevant to the New Jersey Professional Standards for Teachers (N.J.A.C.6A:9-3.3) or Interstate New Teacher Assessment and Support Consortium (INTASC) Standards.

Corequisite: EDUC202 or EDUC286

Prerequisite: EDUC202 or EDUC286, 45 credits completed

COURSE DESCRIPTION

Electronics

ELET101

FUNDAMENTALS OF ELECTRONICS (4 Cr) (3:3)

This course is a survey of electricity and electronics for automotive technology students. The principles of electrical components and circuits are studied. The course includes topics such as AC, D.C. parallel and series circuits, magnetism, motors, control components, and solid state devices. Laboratory assignments will stress the practical application of theory.

Prerequisite: AOTE201

Lab Fee required

ELET105

Electronic Circuits I (4 Cr) (3:3)

This introductory course in circuit analysis defines fundamental electrical quantities and examines their relationship to various circuit components. Circuits comprised of resistance, capacitance, and inductance which are energized by both DC and AC sources are considered. In the laboratory the students perform experiments that confirm/demonstrate their grasp of the theory.

Prerequisite: MATH112

ELET106

Electronics Circuits II (3:3) 4 credits

This introductory course in circuit analysis defines fundamental electrical quantities and examines their relationship to various circuit components. Circuits comprised of resistance, capacitance, and inductance which are energized by AC sources are considered. In the laboratory the students perform experiments that confirm/demonstrate their grasp of the theory.

Prerequisite: ELET105

Lab fee required

ELET200

Digital Electronics (3:3) 4 credits

This course is an introduction to digital logic and circuits. Characteristics of major families and their applications. Combinational logic synthesis, reduction and analysis techniques, as well as state machine design are covered.

Prerequisite: ELET105

Lab Fee Required.

ELET250

SPECIAL TOPICS IN ELECTRONICS

This course focuses on special topics in Electronics. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

English

ENGL009

CRITICAL READING AND WRITING I (3-IC Cr) (3:0)

This reading comprehension and critical writing course, part of a two-course sequence ENGL009/ENGL011, assists students in developing college-level critical thinking, reading comprehension, and fundamental standard writing skills. Emphasis will be on study skills, inferential thinking, writing effective paragraphs in response to texts, and introductory essay writing skills.

ENGL011

CRITICAL READING AND WRITING II (3-IC Cr) (3:0)

This course prepares students to engage in the critical thinking

necessary for college-level courses, and to express themselves in writing that is clear, analytical, and insightful. Student will acquire skills that will be applicable across the curriculum. Emphasis will be on study skills, inferential thinking, and effective college writing in response to texts.

ENGL012A

ALP CRITICAL READING AND WRITING II (3-IC) (3:0)

This course, along with a co-designated section of ENGL101, is part of the two-course ALP (Accelerated Learning Plan) that prepares students to engage in the critical reading, writing, and thinking necessary for college-level courses, while enrolled in credit courses. Emphasis in ENGL012 will be on active reading and writing techniques, study skills, inferential thinking, research skills, and effective college writing.

Prerequisite: Placement in this course is determined by the student's performance on the College Placement Criteria. Student must be in a co-designated ENGL012/ENGL101 ALP sequence concurrently with ENGL031.

ENGL101

ENGLISH COMPOSITION I (3 Cr) (3:0)

This course advances the student's ability to write clearly and coherently by emphasizing the writing process. Emphasis is on writing projects which include personal, rhetorical, and expository models. Research skills are introduced.

Prerequisite: Proficiency on College Placement Test

ENGL102

ENGLISH COMPOSITION II (3 Cr) (3:0)

This course introduces students to short fiction, poetry, drama, and the novel. Written assignments are based on the readings. Writing skills learned in Composition I are further developed. Students will write a research paper which demonstrates understanding of literary criticism.

Prerequisite: ENGL101 (Grade of C)

ENGL125

TECHNICAL WRITING AND COMMUNICATION I (3 Cr) (3:0)

This course is an intensive course designed for students planning careers in non-transferable and technical fields or pursuing AAS degrees or certificates. In this course, students will recognize, evaluate, and produce different forms of technical articles, reports, business communication, and presentations) with an emphasis on purpose, audience, and revising for clarity.

Prerequisite: Grade of "C" or better in ENGL101

ENGL201

EFFECTIVE SPEAKING (3 Cr) (3:0)

This is a course in public speaking which stresses speech organization, effective delivery and critical listening skills. A strong emphasis is placed on student performance to help the student gain speech practice and develop self-confidence in a variety of speaking situations.

Prerequisite: Placement in this course is determined by the student's performance on the College Placement Test or a grade of CI or better in ENGL009.

ENGL203

AMERICAN LITERATURE I (3 Cr) (3:0)

This course is a study of American thought and writing from colonial times through the post-Civil War period. Attention will

COURSE DESCRIPTION

be given to American social, religious, economic and political thinking as reflected in the works of American authors.

Prerequisite: ENGL102

ENGL204

AMERICAN LITERATURE II (3 Cr) (3:0)

This course focuses on major works in American Literature from the Civil War to the present. Attention will be given to the social, economic, and historical context of the works, as well as to the content, style, and themes of the individual authors.

Prerequisite: ENGL102

ENGL207/ WMST207

LITERATURE BY WOMEN (3 Cr) (3:0)

This course will explore the writing of 19th, 20th, and 21st century women authors, poets and dramatists with an emphasis on the diversity of women's voices, and on the impact of the inclusion of their works on the literary canon.

Prerequisite: ENGL102 (Grade of "C")

ENGL208/ THEA208

THEATER HISTORY I (3 Cr) (3:0)

This course is a survey of dramatic literature and theatrical history from ancient times through the Renaissance. Students will be introduced to all areas of the theater including: acting, directing, design, and theater architecture.

Prerequisite: ENGL101

ENGL209/THEA209

THEATER HISTORY II (3 Cr) (3:0)

This course is a survey of dramatic literature and theatrical history from the Renaissance through modern times. Students will be introduced to all areas of the theater including: acting, directing, design, and theater architecture.

Prerequisite: ENGL101

ENGL211

THE SHORT STORY (3 Cr) (3:0)

This course traces the development of the short story from the early nineteenth century. It explores the conventions of the genre including character, plot, setting, point of view, style, and theme.

Prerequisite: ENGL102

ENGL213

LITERARY MASTERPIECES OF THE WESTERN WORLD I (3 Cr) (3:0)

This course examines some of the great works of the western world from the age of Homer to the late Middle Ages. Works studied include the Greek masterpieces, Roman literature, the Bible, Old English works, Chaucer, and Dante.

Prerequisite: ENGL102

ENGL215

JOURNALISM I (3 Cr) (3:0)

This course is an introduction to print journalism. Skills to be developed include news reporting, interviewing, copy editing, fact checking, proofreading, as well as writing editorials and feature stories.

Prerequisite: ENGL101 (Grade of C) or Permission of Instructor.

ENGL216

CHILDREN'S LITERATURE (3 Cr) (3:0)

This course introduces students to an appreciation of the breadth and variety of all genres of children's literature. Emphasis is placed on children's literature as an important factor in a child's

understanding of the world. This course will enable students to recognize outstanding literature for children and acknowledge its place in the study of literature.

Prerequisite: ENGL102

ENGL217

JOURNALISM II (3 Cr) (3:0)

This course builds upon those reporting and writing skills acquired in Journalism I. Greater emphasis will be placed on gathering and evaluating news, and writing in-depth articles for various kinds of print media. In addition, the basics of newspaper design and editorial content will be covered through practical assignments related to the production of the college newspaper, *The College Hill*.

Prerequisite: ENGL215 or COMM219

ENGL220

CREATIVE WRITING (3 Cr) (3:0)

This course is a writing workshop designed to help students write serious poetry and short fiction. Class discussions center on students' writing.

Prerequisite: ENGL101

ENGL221

MODERN POETRY (3 Cr) (3:0)

This survey course will explore modern poets from the late 19th century to the modern day. Gender and generational, as well as international considerations allow for a wide range of poetic artists to be covered.

Prerequisite: ENGL101 and ENGL102 (Grade of "C" or better)

ENGL222

SHAKESPEARE (3 Cr) (3:0)

This course provides students with an introduction to the works and world of the immortal Bard. Focus is on Shakespeare's handling of the greatest human dilemmas: the problems of power, the relationship of the individual to society, and the complexities of love. Students will be required to read samplings from the sonnets as well as selected histories, comedies, and tragedies.

Prerequisite: ENGL101 and ENGL102 (Grade of "C" or better)

ENGL230

BRITISH LITERATURE I (3 Cr) (3:0)

This course is a general survey and analysis of selected representative British authors and works, with a focus on general historical patterns in the different periods of British literature. This course starts with the Middle Ages and progresses through the eighteenth century.

Prerequisite: ENGL102 (Grade of C)

ENGL231

BRITISH LITERATURE II (3 Cr) (3:0)

This course begins with a study of the Romantic Period and continues through contemporary British writers. The class will feature readings in the genres of non-fiction, fiction, drama, and poetry to provide a broad perspective of the innovations in the literature of these periods.

Prerequisite: ENGL102 (Grade of C)

ENGL250

SPECIAL TOPICS IN LITERATURE

This course focuses on selected topics in literature. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

COURSE DESCRIPTION

ENGL260

SPECIAL TOPICS IN WRITING

This course focuses on selected topics in writing. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Electric Lineman

ELIN101

Utility Fundamentals and Safety (3:0) 3 credits

This course is designed as a two-part learning experience where students explore principles and practices of health and safety in an energy services-related construction environment, and earn an Occupational Safety and Health Act OSHA 10 certification. Secondly, students study the electric, gas and telecommunications industries. Topics include personal protective equipment, safe work practices, hazardous materials, employee protection, the Environmental Protection Agency (EPA), Occupational Safety and Health Act (OSHA) and safety codes/standards. Past, present and future of fossil fuel, renewable energy, nuclear power, and natural gas from the ground to consumers, the telecommunications industry including land and cell phone operations will be covered.

ELIN105

Electric Circuit Theory I (2:2) 3 credits

This course is designed as a two-part learning experience where students explore introductory electrical theory and secondly basic electrical theory involved in the production and use of electrical energy. Topics include atomic structure, Ohm's law, series, parallel and complex circuits and sine wave principles associated to the National Electrical Code. Students explore and practice basic Direct Current circuitry calculations, Alternating Current (AC) properties, and rigging skills pertaining to the electrical industry

ELIN110

Electric Circuit Theory II (2:2) 3 credits

This course is designed as the second study of the principles of alternating current high voltage distribution circuitry. Topics included are Alternating Current (AC) power mathematical computation, conductor application with exercises in the following: armor rodding, hand and pre-formed ties, overvoltage, overcurrent installations, and street lighting circuits.

Prerequisite: ELIN105

ELIN115

Climbing Electrical Structures (1:4) 3 credits

This course is designed to teach students how to safely climb and frame various electrical structures to heights of 50-65 feet. Topics include free-hand and safety-strap climbing, and installation and removal of pole line hardware.

ELIN120

Construction of Overhead Structures (1:4) 3 credits

This course is designed to teach students to construct overhead high voltage structures. Topics include industry specification manuals interpretation, overhead hardware identification, construction methods and tool use.

Prerequisite: ELIN110, ELIN115

ELIN125

Facilitate Teams and Pole-Bucket Rescue (1:2) 2 credits

This course is designed as a two-part learning experience

where students explore role of supervisor, manager and leader of work teams. Secondly, students learn procedures necessary to complete a rescue of a line worker on a pole or in an aerial device.

Prerequisite: ELIN110, ELIN115

ELIN130

Electrical Structure Installation and Transformers (2:4) 4 credits

This course is designed as a two-part learning experience where students will learn to properly install electrical structures with hand tools and with mechanized structure installation machinery. Secondly students will mount and connect transformers to primary and secondary systems and gain the skill of paralleling of closed and open banks. Prerequisite ELIN110 and ELIN115.

ELIN135

Energy Industry Blueprints Symbols and Documents (2:2) 3 credits

This course is designed to teach students how to interpret system and strand maps for the gas, electric and communication industry. Students learn how to read building blueprints, staking and pole framing sheets. Additionally, students train to interpret line work construction drawings and equipment installation orders.

Prerequisite: ELIN110, ELIN115

ELIN140

GPS Mapping (0:2) 1 credit

This course is designed for students to learn how to interpret system and strand maps for the gas, electric and communication industry. Students learn how to read building blueprints, staking and pole framing sheets.

Prerequisite: ELIN135

ELIN155

Field Construction I (1:4) 3 credits

This course is designed as a three-part learning experience where students work in actual field conditions. The first part of the class, students learn how to install single-phase high voltage systems including structural assembly, grounding requirements, guying, conductor installation, stringing and tying, single-phase transformer, capacitor and regulator installation. Secondly, this course covers underground installation, trencher operation, primary and secondary cable termination, services, pad mount transformers and sectionalizing cabinets, and street lighting. Topics include information about pneumatic and hydraulic controls essential for the electrician.

Prerequisite: ELIN120, ELIN125, ELIN130, ELIN135

ELIN205

Field Construction II (1:4) 3 credits

This course is designed to teach students to install multi-phase high voltage systems and underground multiple cable installation under actual field conditions. Students complete the overhead section that cover structure assembly including grounding, structural guying, conductor installation including stringing and tying, multi-phase transformer installation, capacitor installation, regulator installation, and the use of protective cover-up material and hot sticks. The underground section covers multiple cable installation, primary and secondary cable termination, three-phase pad mount transformer installation and multi-phase sectionalizing cabinet installation.

Prerequisite: ELIN155

COURSE DESCRIPTION

ELIN210 Field Construction III (1:4) 3 credits

This course is designed to teach students the fundamentals of overhead transmission structure construction and installation requirements for 69KV systems. Students complete industry workshops/labs to be determined by the College.

Prerequisite: ELIN205

ELIN280

Electrical Lineman Seminar (1:4) 3 credits

This course is designed to demonstrate skills by completing industry workshops/labs as defined by the College.

Prerequisite: ELIN205

Engineering

ENGR100

INTRODUCTION TO ENGINEERING (3 Cr) (3:0)

This course explores the topic of engineering and is appropriate for both those intending to major in engineering and those with an interest in learning about the various fields of engineering and other aspects of what engineers do. You will learn how to formulate, articulate, and solve problems, how to analyze problems using various case studies, and how to present the results of engineering work in a suitable format. They will also learn about the different disciplines of engineering and the multidisciplinary nature of modern engineering design.

Corequisite: PHYS120

Prerequisite: MATH113

ENGR125

NUMERICAL METHODS FOR ENGINEERING (3 Cr) (3:0)

Numerical methods provide a way for the engineer to translate the language of mathematics and physics into information that may be used to make engineering decisions. Often, this translation is implemented so that calculations may be done by computers. The types of problems encountered as an engineer may involve a wide variety of mathematical phenomena, and hence it is beneficial to have an equally wide range of numerical methods with which to approach some of these problems. This course will provide an introduction to several of those methods.

Prerequisite: MATH113 (grade of C)

Corequisite: MATH114

ENGR210/ PHYS210

MECHANICS (4 Cr) (4:0)

This course studies the equilibrium of particles and rigid bodies subject to concentrated and distributed Newtonian forces. These studies are also applied to particles; rectilinear motion; simple, damped, and driven oscillations; gravitation and central forces; Lagrange's equations and the Hamiltonian.

Corequisite: MATH220

Prerequisite: PHYS120 (Grade of C)

ENGR220

ENGINEERING STATICS (3 Cr) (3:0)

This course is a quantitative study of forces that act on engineering structures in equilibrium. Force system classification, resultant forces and conditions for equilibrium of rigid bodies in two and three dimensions are covered. Mathematical principles of vectors and calculus are applied to trusses, frames and simple machines. Centroids (center of mass) are developed and used in the analysis of stresses on beams. Special engineering topics discussed will include dry friction with an introduction to virtual work. The concept of moment of inertia

included in discussion will establish the link between statics and solid mechanics.

Prerequisite: MATH114 (grade of C), PHYS120 (grade of C)

ENGR222

ENGINEERING DYNAMICS (3 Cr) (3:0)

This course is a study of the motion of bodies without reference to the forces which cause the motion and the action of forces acting on the bodies and their resulting motions. Rectilinear and curvilinear motion in two and three dimensions using rectangular, normal/tangential and polar coordinate systems are investigated in kinematics. Kinetics includes discussions on work, potential and kinetic energy. Impulse and momentum are analyzed from Newton's second law along with the concept of conservation of energy and momentum.

Prerequisite: MATH114 (grade of C), PHYS120 (grade of C), ENGR220 (grade of C)

English for Speakers of Other Languages

ESOL057

ESOL INTRODUCTION TO BASIC ENGLISH GRAMMAR I (3-IC) (3:0)

This is a beginning grammar course for non-native speakers of English. It introduces basic grammar, vocabulary, and pronunciation in conversational context based on survival skills.

Prerequisite: ESOL Department Placement Test

ESOL058

ESOL INTRODUCTION TO BASIC ENGLISH GRAMMAR II (3-IC) (3:0)

This is an intermediate grammar course for non-native speakers of English. Grammar pronunciation and vocabulary are further developed in conversational context.

Prerequisite: ESOL Department Placement Test

ESOL059

ESOL INTRODUCTION TO BASIC ENGLISH GRAMMAR III (3-IC) (3:0)

This is an advanced grammar course for non-native speakers of English. Grammar skills are further refined to a college level.

Prerequisite: ESOL Department Placement Test

ESOL060

ESOL WRITING I (3-IC Cr) (3:0)

This is a beginning writing course for non-native speakers of English. Emphasis is placed on the development of writing skills at sentence and paragraph level.

Prerequisite: ESOL Department Placement Test

ESOL061

ESOL WRITING II (3-IC) (3:0)

This is an intermediate writing course for non-native speakers of English. Topics include paragraph and short composition development.

Prerequisite: Grade of C in ESOL058 or ESOL Department Placement Test

ESOL062

ESOL WRITING III (3 Cr) (3:0)

This is an advanced writing course for non-native speakers of English. Emphasis is placed on achieving writing skills required to function on a college level.

Corequisite: ESOL059

COURSE DESCRIPTION

Prerequisite: Grade of C in ESOL061 or ESOL Department Placement Test

ESOL074 ESOL READING AND VOCABULARY I (3IC) (3:0)

This is a beginning level reading and vocabulary course for non-native speakers of English. Emphasis will be placed on reading comprehension, developing dictionary skills, recognizing spelling patterns, and acquisition of vocabulary themes centering around everyday American life.

Prerequisite: Grade of C in ESOL035 or ESOL Department Placement Test

ESOL075 ESOL READING AND VOCABULARY II (3 IC) (3:0)

This is an intermediate level reading and vocabulary development course for non-native speakers of English. Students will increase reading comprehension, vocabulary, and understanding of American Idioms. Emphasis will be placed on reading comprehension, independent reading, and accurate use of vocabulary in context.

Prerequisite: Grade of C in ESOL074 or ESOL Department Placement Test

ESOL076 ESOL READING AND VOCABULARY III (3IC) (3:0)

This is an advanced level reading and vocabulary course for non-native speakers of English. Students will be introduced to American Literature and college texts. Emphasis will be placed on reading independently in English, and acquisition of vocabulary suitable for successful transition into college courses.

Prerequisite: Grade of C in ESOL075 or ESOL Department Placement Test

ESOL078 INTEGRATED LANGUAGE SKILLS FOR ESOL STUDENTS I (6IC) (6:0)

This is an intensive six credit core language course for beginner and low intermediate ESOL students. Students will be introduced to pronunciation, vocabulary development, reading skills, and sentence structure.

This course meets twice a week for two time blocks)

Prerequisite: ESOL Department Placement Test

ESOL079 INTEGRATED LANGUAGE SKILLS FOR ESOL STUDENTS II (6IC) (6:0)

This is an intensive six credit core language development course for intermediate level ESOL students. Students will build on skills acquired in level one; pronunciation, vocabulary development, reading comprehension skills, paragraph structure, and grammar practice.

Prerequisite: ESOL Department Placement Test or successfully passing ESOL078 or Instructor recommendation

ESOL080 COLLEGE PREP ENGLISH FOR ESOL STUDENTS I (6IC) (6:0)

This is an intensive six credit core language development course which begins to prepare ESOL students for college level work. Students practice effective communication skills, critical thinking, making inferences, correct syntax, review paragraph structure, and grammar practice at the high intermediate level.

Prerequisite: ESOL Department Placement Test

ESOL081 COLLEGE PREP ENGLISH FOR ESOL STUDENTS II (6IC) (6:0)

This is an intensive 6 credit core language development course which prepares ESOL students for college level work. Students will increase effective communications skills for the academic environment, expand critical thinking, inferential skills, academic vocabulary, and composition skills at the advanced level. This course meets twice a week for two time blocks

Prerequisite: ESOL Department Placement Test or successfully passing ESOL 080 or Instructor recommendation

ESOL084 TOEFL PREPARATION (3-IC) (3:0)

This is a very advanced preparation course for non-native speakers of English who must take the Test of English as a Foreign Language. Students seeking college level skills in structure, written expression, listening and speaking and reading comprehension may also attend.

Prerequisite: Grade of C in ESOL059 or ESOL Department Placement Test

ESOL085 ESOL LISTENING AND SPEAKING I (3IC) (3:0)

This is an introductory course to the sound systems and speech patterns of American English for non-native speakers. Emphasis will be placed on proper pronunciation, listening comprehension, and basic conversational skills centering around topics concerning everyday American life.

Prerequisite: Grade of C in ESOL035 or ESOL Department Placement Test

ESOL086 ESOL LISTENING AND SPEAKING II (3IC) (3:0)

This is an intermediate course in communication for non-native speakers of English. Students will be introduced to the International Phonetic Alphabet, articulation diagrams, and participate in interactive dialogues for more fluency in the English language. Emphasis will be placed on communicating clearly by expanding conversational skills and listening comprehension.

Prerequisite: Grade of C in ESOL085 or ESOL Department Placement Test

ESOL087 ESOL LISTENING & SPEAKING III (3IC) (3:0)

This is a high intermediate communication course for non-native speakers of English. Students will further study: the International Phonetic Alphabet, stress, rhythm, and intonation patterns of American English. Emphasis will be on developing effective communication skills for the successful transition into an academic or professional environment.

Prerequisite: ESOL086

ESOL097 COMMUNICATION AND PRESENTATION SKILLS FOR ESOL STUDENTS (3IC) (3:0)

This is an advanced course for non-native speakers of English in public speaking. Emphasis will be placed on speech organization, effective delivery, public presentations, and critical listening skills for effective note taking in the academic environment. A strong emphasis is placed on student

COURSE DESCRIPTION

performance to help the student gain speech practice, and develop self-confidence in addressing a variety of audiences in multiple speaking situations.

Prerequisite: ESOL086 and ESOL087 or ESOL Department Placement Test

Exercise Science

EXSC101

INTRODUCTION TO EXERCISE SCIENCE (3 Cr) (3:0)

This is an introductory-level course to acquaint students with the development and structure of the field of exercise science. The current scientific development of the field is stressed, with additional emphasis on careers, certifications, professional organizations, and industry research and resource development. Requires proficiency in all developmental English and mathematical courses.

Prerequisites: Proficiency on College Placement Test

EXSC105

FIRST AID AND EMERGENCY CARE (3 Cr) (3:0)

This course in first aid is designed to acquaint students with information about prevention of accidents and injuries, and about emergency assessment, recognition and treatment of trauma, and sudden illnesses. Upon successful completion of the requirements, students will receive AAOS First Aid certification.

Prerequisite: EXSC 101

EXSC112

Principles of Personal Training I (2:2) 3 credits

This course is designed to teach the student about the fundamental principles behind personal training. Career tracks, kinesiology principles, and health and fitness assessments will be considered. In addition, this course will assist in prepping the student to sit for a nationally recognized personal trainer certification exam.

Lab fee required.

EXSC115

Principles of Personal Training II (2:2) 3 credits

This course is designed to teach the student about the fundamental principles behind personal training. Exercise training principles, program design, and business skills pertinent to personal trainers will be considered. In addition, this course will assist in prepping the student to sit for a nationally recognized personal trainer certification exam.

Lab fee required.

Prerequisite EXSC 112

EXSC 121

Aerobic Conditioning (0:2) 1 credit

This course is designed to educate the student about the different training principles and modalities of aerobic exercise training. Students taking this course will participate in a variety of aerobic conditioning programs in order to understand the technique, effort, and safety involved in this training style.

Lab fee required.

EXSC 123

Anaerobic Conditioning (0:2) 1 credit

This course is designed to teach the student about the different training principles and modalities of anaerobic exercise training. Anaerobic training typically involves more explosive and rapid

exercises to improve performance on the athletic field, but has also shown to have many health benefits for those not training for sport. Students taking this course will participate in a variety of anaerobic conditioning programs in order to understand the technique, effort, and safety involved in this training style.

Lab fee required.

EXSC 125

Group Fitness (0:2) 1 credit

This course is designed to educate the student on how to design and lead group exercise classes. Students are expected to conduct and participate in group exercise classes emphasizing a variety of training styles such as total body conditioning, stretching and strengthening, and boot camp. This course will also teach the importance of safety and monitoring of proper exercise technique during group exercise classes.

EXSC127

Resistance Training (0:2) 1 credit

This course is designed to teach students proper resistance training techniques and programming for all major muscle groups of the body. Proper handling of the resistance equipment, weight room etiquette, training theory, and program design will also be discussed in this course. Students taking this course will be required to participate in weight training sessions to develop a better understanding of the exercises and training style.

EXSC201

KINESIOLOGY (3 Cr) (2:2)

This course is designed to study human movement by evaluating muscle, bone, and joint actions as they are involved in physical activity and sport. Applied anatomical principles are evaluated to enhance the understanding of biomechanical movement to increase sport performance and prevent injury.

Lab fee required.

Prerequisites: EXSC101, and BIOS102 or BIOS103

EXSC210

EXERCISE PHYSIOLOGY (3 Cr) (2:2)

This course will evaluate the physiological responses to exercise and the adaptations that occur from different types of training programs. Topics covered include the metabolic, cardiovascular, respiratory, neuromuscular and hormonal responses to acute and chronic exercise. Practical applications of exercise physiology principles will be explored with regards to maintaining and improving health, physical fitness, and athletic performance.

Lab fee required

Prerequisites: EXSC101 and BIOS104

EXSC280

Personal Trainer Internship (1 Cr) (0:3)

This course is designed as an internship to further the personal training student's skills and knowledge by shadowing a personal trainer in a health and fitness setting. Students will have the opportunity to observe different personal training job duties such as training clients, leading group exercise classes, fitness center supervision, and fitness management.

Prerequisite: EXSC112

French

FREN101

ELEMENTARY FRENCH I (3 Cr) (3:0)

This is an introductory course in French emphasizing the fundamentals of speaking, reading, writing, and listening. The

COURSE DESCRIPTION

course focuses on building basic vocabulary and introducing students to the French culture. It is designed for students with no French experience.

FREN102

ELEMENTARY FRENCH II (3 Cr) (3:0)

This course is a continuation of FREN101 with an emphasis on the fundamentals of speaking, reading, writing, and listening. The course focuses on building basic vocabulary and introducing students to the French culture.

Prerequisite: FREN101 (Grade of C) or two years of high school French (Grade of C)

FREN201

INTERMEDIATE FRENCH I (3 Cr) (3:0)

This course is a continuation of FREN102, developing skills in speaking, reading, writing, and listening at the intermediate level.

Prerequisite: FREN102 (Grade of C) or three years of high school French (Grade of C), or its equivalent.

FREN202

INTERMEDIATE FRENCH II (3 Cr) (3:0)

This is a continuation of FREN201, developing skills in speaking, reading, writing, and listening at the intermediate level.

Prerequisite: FREN201 (Grade of C) or permission of Instructor.

FREN250

SPECIAL TOPICS IN FRENCH

This course focuses on selected topics in French. This course will provide an opportunity to expand the modern language offerings into the areas of history, literature, and civilization.

Fire Science

FRST101

INTRODUCTION TO FIRE SCIENCE (3 Cr) (3:0)

This course is an introduction to the fundamentals of fire protection engineering. It is a study of fire hazards and controlling mechanisms, detection and alarm systems, fire behavior and the physical and chemical effects of combustion upon a single dwelling to problem areas such as high-rise buildings.

FRST103

FIRE PREVENTION (3 Cr) (3:0)

This course provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigation, and fire and life-safety education.

Prerequisite: FRST101

FRST104

FIRE ADMINISTRATION (3 Cr) (3:0)

This course examines the organization and management of the fire service. Topics include discussion of new technologies, changing organization structures, personnel and equipment, manpower and training, reporting systems and municipal budgets.

Prerequisite: FRST101

FRST105

FIRE PROTECTION SYSTEMS (3 Cr) (3:0)

This course provides information relating to the features of

design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection and portable fire extinguishers.

Prerequisite: FRST101

FRST106

FIRE TACTICS AND STRATEGY (3 Cr) (3:0)

This course progressively covers fireground tactics and strategies from before the fact fireground preparation, through systematically planning, implementing and managing the strategic and/or tactical plan, to a process of reviewing events and critiquing performance.

Prerequisite: FRST101

FRST107

FIRE INVESTIGATION (3 Cr) (3:0)

This course instructs fire personnel to observe fire patterns, cause and origin, and clues of arson presented. Preserving the fire scene, the fire setter, legal considerations and fire investigations are also discussed.

Prerequisite: FRST101

FRST110

FIRE BEHAVIOR AND COMBUSTION (3 Cr) (3:0)

This course explores the theories and fundamentals of how and why fires start, spread, and how they are controlled.

Prerequisite: FRST101

FRST202

BUILDING CONSTRUCTION FOR FIRE PROTECTION (3 Cr) (3:0)

This course studies the components of building construction that relate to fire and safety. The focus of this course is on fire fighter safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.

Prerequisite: FRST101

FRST205

FIRE PROTECTION HYDRAULICS AND WATER SUPPLY (3 Cr) (3:0)

This course is a review of hydraulic calculations and formulas, how to apply the standards to firefighting equipment and water supply. Sprinkler systems, fire pumps and hose lines are covered. This course requires fieldwork.

Prerequisite: FRST101

FRST208

HAZARDOUS MATERIALS (3 Cr) (3:0)

This course provides basic fire chemistry relating to the categories of hazardous materials including problems of recognition, reactivity, and health encountered by firefighters.

Prerequisite: FRST101

FRST210

OCCUPATIONAL HEALTH AND SAFETY (3 Cr) (3:0)

This course covers the basic principles of Federal, State and FFA standards and legislation emphasizing such topics as blood borne pathogens, NJ PEOSHA codes and related codes for general industry. It also addresses issues facing the firefighter such as injury, death, and health. This course is designed for N.F.P.A. 1500.

Prerequisite: FRST101

COURSE DESCRIPTION

FRST230

LEGAL ASPECTS OF THE FIRE SERVICE (3 Cr) (3:0)

This course introduces the Federal, State, and local laws that regulate emergency services, national standards influencing emergency services, standards of care, tort, liability, and review of relevant court cases.

Prerequisites: FRST101 and FRST103 (or FRST101 and permission of Program Coordinator of Fire Science Technology)

FRST250

SPECIAL TOPICS IN FIRE SCIENCE

This course focuses on selected topics in Fire Science technology. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester

Geography

GEOG105

CULTURAL GEOGRAPHY (3 Cr) (3:0)

This course will function as a map to the cultural landscape of our world. It combines aspects of economic and cultural geography. It will examine the interrelations between humans and their natural environments as well as examine the difference between one place and another in terms of the customs, mores and institutions that create and maintain human societies.

GEOG110

WORLD GEOGRAPHY (3 Cr) (3:0)

This course is an introduction to the study of geography focusing on a regional geographic approach. Particular reference is placed on the relationship of geographic features, natural resources, and economic development.

GEOG250

SPECIAL TOPICS IN GEOGRAPHY

This course focuses on special topics in Geography. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Geology

GEOL101

PHYSICAL GEOLOGY (4 Cr) (3:3)

This course is designed to introduce students to earth and its physical processes, including the origin and nature of rocks and minerals, weather and its erosional forces, mountain building, volcanism, metamorphism, origin of ore deposits, plate tectonics, and problems of water supply and pollution. Field trips will be an integral part of the course.

Lab Fee required

GEOL110

HISTORICAL GEOLOGY (4 Cr) (3:3)

This course will introduce the student to the study of planet Earth through time. The class will study the concepts of stratigraphy (the study of strata) and the fossils they contain. This course will concentrate on the geologic history of North America with special attention to the Appalachian Basin and New Jersey. This course will discuss the history of the Earth, geological processes and biological history. This course will include labs and several field trips to observe concepts taught in the lectures.

Prerequisite: GEOL101

Lab Fee required

GEOL250

SPECIAL TOPICS IN GEOLOGY

This course focuses on special topics in Geology. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Graphic Design

GRAD101

DESIGN I (3 Cr) (2:2)

This course is an exploration of the fundamental principles of design through a series of weekly lectures, discussions, and short readings reinforced by studio assignments and critiques. This class focuses on developing the ability to skillfully use and combine core design elements and utilize design principles while mastering the craft of materials to convey meaning. Assignments are organized and designed to engage students with optimal learning opportunities in developing critical thinking skills and professional vocabulary allowing for further study. Although this course is not a software-oriented course student will be introduced to the computer utilizing Adobe Illustrator and Photoshop to gain very basic skills.

Lab Fee required

Prerequisite: GRAD109

GRAD105

VECTOR GRAPHICS AND PAGE DESIGN (3 Cr) (2:2)

This course emphasizes techniques and applications used to produce published documents for both Internet and print media. Students will learn to design documents, publications, and related projects using industry standard software on both MAC and PC platforms. An emphasis is placed on basic computer graphic skills through practical experience with two-dimensional paint and draw programs, as well as layout programs for print and web. Projects covered include advertising design, page layout, computer illustrations, digital imaging, and the scanning and manipulation of images. Basic computer operating skills are strongly recommended upon entering this class.

Lab Fee required

GRAD107

DRAWING FOR DESIGNERS (3 Cr) (2:2)

This is a studio course where students will observe and create in the physical world away from the computer. This course suggests that real-world observation is invaluable in the planning of traditional illustration, digital illustration, 2D graphics, and 3D generated images. Areas of instruction will include graphic design drawing elements (such as line, value, texture, color, and composition), perspective, architecture, and environments. The course will also emphasize basic drawing techniques, anatomy for the artist, life drawing, lighting, texturing, and storyboarding. Students will learn how to efficiently work with pencil, charcoal, ink, markers, and mixed media.

Lab Fee required

GRAD108

HISTORY OF GRAPHIC DESIGN (3 Cr) (2:2)

This course explores art and design in historical and philosophical context from the Paleolithic to the Digital Age utilizing visual, literary and web sources. In considering art and design beyond the aesthetic, emphasis will be placed on its role of these two forces in the areas of commerce, culture, propaganda, ideology and the social and political arenas. Through a series of workshop projects in a variety of media, this course will serve as a laboratory for students to express their understanding of the presence of the history of visual

COURSE DESCRIPTION

communication in contemporary life and raise informed questions about their own contributions to the future of the field.

Lab Fee required

GRAD109

UNDERSTANDING SOCIAL MEDIA (3 Cr) (2:2)

This course focuses on techniques for writing, editing and researching content for social media platforms, and students will publish their work on their own Websites and Blogs. An emphasis is placed on the skills needed for quality storytelling via social media communication. Students will explore blogging, podcasting and social software technology. Students will implement social media research campaigns, develop original web content, and discuss interactive writing, interactive publishing, and the role of the interactive writer. Copyright law, libel law, information ethics and culture will be explored.

Lab Fee required

GRAD115

INTRODUCTION TO GAME THEORY AND DEVELOPMENT (3 Cr) (2:2)

This course is targeted as an introduction to game theory and development. Students will be engaged throughout the course to design both new and classic games through a user-friendly game programming interface. In addition, students will learn to create and design their own pixel art to enhance the look and feel of their own game. Many topics will be addressed throughout the course including game design, theory, creation, and production. Students will learn how games are distributed and design game programs that are platform independent.

Lab Fee required.

GRAD119

THEME AND TEMPLATING WEBSITES I (3 Cr) (2:2)

This course is designed to introduce students to WordPress Content Management System for either personal or business website use. The course covers the basics on how to use the WordPress platform including installation, content management, and configuration. Prior web publishing experience is not required. Familiarity with web browsers and email is highly recommended.

Lab Fee required

GRAD122

TYPOGRAPHY AND LAYOUT (3 Cr) (2:2)

This course is an introduction to typography and layout as applied to visual communication. Students will explore the history of typography, type recognition, typographic terms, fundamentals of type, and the appropriate use of typography in a variety of design applications. Emphasis is placed on the basic design principles of typographic compositions and typesetting. A range of theoretical and applied projects will be used to investigate typography as a fundamental communication tool. Students use both traditional and digital media employing page layout and software programs that utilize type.

Prerequisite: GRAD101, GRAD105

Lab Fee required

GRAD128

DIGITAL IMAGERY AND EDITING (3 Cr) (2:2)

This course provides students with the intensive exploration of advanced digital imaging as it applies to photography creating PDF documents, optimizing web graphics and complex layered images. Students will perfect their ability to creatively use digital imaging software to create sophisticated graphics for print and the web. Further study and practical application will be applied

to creating documents for both the Internet and print mediums. An emphasis is placed on developing quality portfolio pieces.

Prerequisite: GRAD105 or permission of the Program Coordinator/Counselor

Lab Fee required

GRAD132

DESIGNING AND PRINTING STYLIZED BOOKS (3 Cr) (2:2)

This course is designed for art and design students who wish to create and publish children's books, short stories, cartoons, anime, poems, or collections. Students will learn to design and lay out their material (drawings, paintings, photographs, and scanned images) through the use of illustration software (Adobe Illustrator®). The resulting images will be managed through the use of software designed for image manipulation (Adobe PhotoShop®). The culmination of the artistic rendering will be integrated into a high-end composition through the use of specialized software (Adobe InDesign®) for output to print. In addition to the use of software, the course will introduce the student to the basics of color theory, typography, design, layout, pagination, preparation for print, and final print. The focus of the student's creative efforts throughout the semester will be upon the creation of a full color bound booklet.

Prerequisite: GRAD105

Lab Fee required

GRAD135

ADVERTISING & PACKAGE DESIGN (3 Cr) (2:2)

This course introduces the student to the development, scheduling and production of 3D primary and secondary packaging plus related print materials. The focus of the course is on design, research, marketing, advertising, and sales for the retail marketplace. Students explore resources such as photography, printing, product/model comprehensives, sales samples, molding and quality control. This course covers the preparation of all products and material for final production.

Lab Fee Required

Prerequisites: GRAD101, GRAD105, and GRAD262

GRAD138

COMIC BOOK ILLUSTRATION (3 Cr) (2:2)

This course will provide a comprehensive introduction to the language and form of narrative illustration. The emphasis is on teaching the narrative language, use of tools, page and panel design, anatomy, drafting, perspective, storytelling and arrangement of images, while surveying various styles and genres related to the topic. Attention to developing essential drawing skills needed to create narrative illustrations on any level and for many types of applications will be explored. Completed projects would be suitable for inclusion in student portfolios.

Lab Fee required

GRAD139

CHILDREN'S BOOK ILLUSTRATION (3 Cr) (2:2)

This class allows students to develop a children's book from an initial concept to a "dummy book" ready to submit to publishers. Students will have the opportunity to explore a variety of mediums and diverse illustration techniques using video enrichment and lectures about illustrators, writers and the publishing industry. Developing students' drawing skills will be emphasized in all class work, from preliminary sketches to final works. Students will develop creative thinking skills as they learn how to transform ideas into images that tell a story. Exploration

COURSE DESCRIPTION

of the different children's book genres will be covered.

Lab Fee required

GRAD140 DIGITAL ILLUSTRATION AND PRODUCTION (3 Cr) (2:2)

This course focuses on the introduction and development of studio skills in the creative use of illustration materials and design principles. The student will experiment with a wide range of techniques and media including colored pencil, graphite, watercolors, and computer illustration using industry standard paint and drawing software. Students will work with their hand drawings and scanning, combining fine art and graphic design to develop professional portfolio pieces. The student will learn illustration theory as a means of communication and will work on projects including children's book and magazine illustration, spot illustrations for the web, print and pre-press information. Final art projects will be produced in a variety of media, while students combine illustration with other fine art and advertising design skills to create a professional commercial art portfolio.

Prerequisite: GRAD105 and GRAD128

Lab Fee required

GRAD141 ANIMATION AND DESIGN (3 Cr) (2:2)

In this course, students will learn to create 2-dimensional animations and interactive websites using a variety of art software. Topics covered include good interface design, character animation, morphing, tweening, storyboarding, sound and interactivity. Students will create a complete story animation and an interactive portfolio or website for their final project.

Prerequisite: GRAD105

Lab Fee required

GRAD142 DIGITAL TYPOGRAPHY AND COLOR (3 Cr) (2:2)

This course is an introduction to type and color intended for the digital designer in a technology driven world. The course will emphasize the basics of traditional typographic rules and color theory. Exploration in achieving new and innovative designs for digital applications, and in the selection of type and color elements appropriate to the job will be investigated. Students will develop critical thinking skills through analyzing, researching and investigating information, and will practice generating, evaluating, and communicating ideas. Further exploration of aesthetics, technical issues, trends, and branding considerations will also be covered.

Prerequisite: GRAD101 and GRAD105, or Permission of the Graphic Design Program Coordinator

Lab Fee Required

GRAD144 COLOR FOR DESIGNERS (3 Cr) (2:2)

This course is an introduction to color intended for the designer in a technology driven world. The course will emphasize insight into color terminology, traditional color theory, and the perception and use of color in all media. Additional focus is placed on the essential principles and elements of design and their application to a variety of studio projects. Further exploration of the future of color will also be covered.

Prerequisite: GRAD101, GRAD105

Lab Fee required

GRAD150 STORYBOARDING AND SEQUENTIAL STORYTELLING (3 Cr) (2:2)

This course is designed to introduce the student to techniques used by artists and graphic designers when they create characters and environments prior to animation on the computer. Students begin by using a paper and pencil approach to create characters and the world they inhabit. Students then learn to map out on paper the way that the story will unfold. The use of this "pencil and paper" approach helps students explore and develop their own creative process and teaches them to take their ideas from intangible abstracts to fully visualized concepts.

Lab Fee required

GRAD153 CHARACTER DESIGN (3 Cr) (2:2)

This course is designed to introduce the student to the essential craft of developing characters for stories, games, and other forms of video entertainment. Before any of these entertainment forms can be pursued, an artist must develop successful characters. Students will learn that the thousands of hours of work and countless frames of video involved in these endeavors all depend on the success of the artist's vision, and they will have the opportunity to study different forms of character development. Pencil, paper, clay, and polymer will all be used along with model sheets to help the character designer work with the authors and directors to identify and realize projects. Emphasis will be put on anatomy for the artist in communicating consistent perspective, volume, movement, attitude, and expression.

Lab Fee required

GRAD158 3D MODELING (3 Cr) (2:2)

This course is designed to introduce the student to the basic concepts of modeling, texturing, and lighting and their application to 3D projects. Students will learn how artists build and sculpt 3D models, give them detailed textures, and light them in dozens of different ways using computer software. Topics include user interface, polygonal modeling, NURBS modeling, 3D cameras, lighting execution, textures and mapping. Basic computer operating skills are strongly recommended upon entering this class.

Lab Fee required

GRAD162 CHARACTER MODELING IN 3D (3 Cr) (2:2)

This course introduces students to the art of 3D anatomy and sculpting. Using conceptual drawings and sculptures, students will learn to visualize and render their creations in a 3D perspective. Utilizing 3DS Max, bones and controllers will be added to these characters, enabling them to become animated works of art.

Prerequisite: GRAD153 and GRAD158

Lab Fee required

GRAD163 3D ENVIRONMENTS (3 Cr) (2:2)

This course is designed to introduce the student to advanced, organic modeling techniques, advanced texturing, and lighting and their applications to 3D Environments. Students will learn how to utilize these advanced techniques to construct a virtual environment with creativity and appeal. Topics include organic modeling and edge flow, environmental textures and

COURSE DESCRIPTION

their applications, 3D cameras and the viewer perspective and advanced lighting.

Prerequisite: GRAD158

Lab Fee required

GRAD164

CHARACTER ANIMATION IN 3D (3 Cr) (2:2)

This course is designed to help the student develop skill in the animation of inanimate objects, character and interactivity between the two. Students will use a predetermined character to develop weight, emotion, and interactivity with personality and purpose. The course will expose students to traditional animation techniques, such as keyframing, pose-to-pose, and then help students see how these techniques apply to sophisticated 3D animation software such as 3DMAX.

Prerequisite: GRAD158

Lab Fee required

GRAD201

PRESENTATION AND PRINT PRODUCTION (3 Cr) (2:2)

This course will begin with training in various hand cutting and assembly techniques enabling the student to develop professional-level skills in craftsmanship. These skills combined with methods of presenting work will allow the student to develop into a well-rounded creative professional. Emphasis is placed on basic skills in cutting, mounting, folding, 3D construction and wrapping. Students will have the opportunity to apply these skills on a variety of projects. In the later part of the class lectures and projects will focus on preparing accurate files using a variety of software applications. Topics include setting up mechanical files, film separations, screen angles, trapping, process and spot color, file formats, creating plates for specialized inks and processes, and an overview of the life cycle of a print job. Completed projects would be suitable for inclusion in student portfolios.

Prerequisite: GRAD122, GRAD128 or GRAD142

Lab Fee required

GRAD202

3D LEVEL DESIGN (3 Cr) (2:2)

3D Level Design introduces students to the art of the game world. Utilizing Autodesk 3DS Max and Unreal Tournament 3 Editor, students will learn to manipulate "in-game" assets in order to construct a fluid, seamless, and creative environment to virtually explore and interact with. Along with development, comes quality assurance, which is another in-depth process that we explore in this class. Testing our game world and making sure the characters inside of it can traverse terrain and obstacles with ease.

Prerequisite: GRAD163

Lab Fee required

GRAD203

PRINT PRODUCTION (3 Cr) (2:2)

This course places emphasis on student proficiency in the pre-press stage of graphic design. Beginning with traditional paste-up skills and concepts, and transitioning to computer, students will learn how to make the artwork they create suitable for printing. Class lectures and projects will focus on preparing accurate files using a variety of software applications. An in-depth study of various printing processes, links, and paper is also included in the course. Students will learn to work

effectively with service bureaus, and, when possible, the course will include tours of printing plants and a large, full-service output bureau. Completed projects would be suitable for inclusion in student portfolios.

Prerequisite: GRAD122, GRAD144

Lab Fee required

GRAD211

THEME AND TEMPLATING WEBSITES II (3 Cr) (2:2)

This advanced course represents the continuation of Theme and Templating Websites I. It provides students with the opportunity to take their Content Management System skills to the next level. The course content is ideal for those who are already comfortable building WordPress sites, but are looking to work in the field professionally. Students will gain insight and skills needed to build sophisticated, branded and customized websites for themselves and/or their clients.

Prerequisite: GRAD119

Lab Fee required

GRAD219

SOCIAL MEDIA CAMPAIGNS (3 Cr) (2:2)

This course is designed to focus on how businesses are using Social Media as advertising tools as well as how to create and organize a design driven Social Media Campaign. The history and definition of Social Medias such as Facebook, YouTube, Twitter and LinkedIn will be examined in depth. Students will learn the importance of keeping their organization or clients relevant by tackling socially relevant projects. Concepts like Viral Marketing and its relationship to Social Media, advantages of sharing social content, and ethical concerns will be explored.

Prerequisite: GRAD109

Lab Fee required

GRAD230

DIRECTED THEMES IN ILLUSTRATION (3 Cr) (2:2)

This course has students specialize in a single area of illustration of r the entire term by choosing illustration projects in children's book, editorial, comic book, fashion, commercial or advertising, scientific, or caricature drawings to explore in a related series of instructor-directed themes. At the completion of this course, the student will have created a series of related portfolio projects that demonstrate advanced problem solving ability of a personal style, as well as continued improvement in developing skills in illustration methods and materials.

Prerequisite: ARTA150 or GRAD153 and GRAD107 or permission of the Program Coordinator

Lab Fee required

GRAD235

VIDEO AND MOTION GRAPHICS (3 Cr) (2:2)

This course introduces students to software products (editing suites and special effects) that are now widely used in the gaming and entertainment industries for editing and graphic manipulation. Students will learn to use specialized compositing tools to edit scenes, insert graphic effects, place sound effects and blend music to create a final professional product. Software packages used in this class include Adobe's After Effects® and Premiere®.

GRAD240

MULTIMEDIA DESIGN FOR DIGITAL VIDEO AND AUDIO (3 Cr) (2:2)

This course uses state of the art digital video and audio editing software so students will learn how to capture and manipulate

COURSE DESCRIPTIONS

video and sound, how to create streaming audio and video, how to create QuickTime movies and panoramas along with advanced Flash based movies for the Internet. Topics covered will include the latest web technologies to keep current in an ever-changing field. Students will work on both MAC and PC platforms and will also work in a studio environment for further experience on current and industry standard equipment.

Prerequisite: GRAD128 or permission of the Program Coordinator

Lab Fee required

GRAD250

SPECIAL TOPICS IN GRAPHIC DESIGN

This course focuses on selected topics in graphic design technology. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Prerequisite: GRAD105

Lab Fee required

GRAD262

GAME PRODUCTION (3 Cr) (2:2)

This course is designed to bring practical experience, of working in collaborative teams, to produce games of the highest professional quality. Students utilize industry-standard software and advanced programming to explore the practical challenges of managing the development of a game. Emphasizes is on documentation and management skills, game design, character development, storyboarding, user interface, interactive storytelling, 3D animation, special effects, audio, and testing.

Lab Fee required

Prerequisite: COMS132 & GRAD115

GRAD280

GRAPHIC DESIGN INTERNSHIP (2 Cr) (1:6)

This course is designed for Graphic Design majors who have demonstrated advanced skill levels and for those who have potential to perform professionally in a work environment. Internships include practical work experience in an on or off campus business or project (i.e. advertising agencies, graphic design businesses or corporate art departments). An emphasis on personal presentation and success in the workplace is covered

Corequisite: GRAD135

Prerequisite: GRAD122, GRAD144

GRAD281

PORTFOLIO PREPARATION AND PRESENTATION (1 Cr) (1:0)

In this course, students will develop a portfolio of professional quality which is representative of technical and creative skills and career objectives. Excellent portfolio organization and resume presentation, will be stressed. Cover letters, interviewing styles and image presentation will be discussed. Students will write their goals, both short and long range, create a resume and develop a digital and printed portfolio for critique, suitable for presentation to a school, client or job interview.

Corequisite: GRAD135

Prerequisite: GRAD122, GRAD144

GRAD282

PORTFOLIO/DEMO REEL PREPARATION AND PRESENTATION (2 Cr) (1:2)

In this course, students will develop a digital portfolio/demo

reel of professional quality geared to the area of the industry the student is most interested in and representative of technical and creative skills and career objectives. Excellent portfolio organization and resume presentation will be stressed. Cover letters, interviewing styles and image presentation will be discussed. Students will write their goals, both short and long range, create a resume and develop a digital portfolio/demo reel for critique, suitable for presentation to a school, client or job interview.

Prerequisite: GRAD162, GRAD163, GRAD164

GRAD283

3D COMPUTER ARTS INTERNSHIP (1 Cr) (0:3)

This course is designed for 3D Computer Arts majors who have demonstrated advanced skill levels and for those who have potential to perform professionally in a work environment. Internships include practical work experience in an on or off campus business or project (i.e. 3D studios, graphic design businesses or corporate art departments). Students are required to complete 45 hours in the field.

Lab Fee required.

Prerequisite: GRAD101, GRAD105, GRAD107, GRAD128, GRAD144, GRAD153, GRAD158, GRAD162, GRAD163

German

GRMN101

ELEMENTARY GERMAN I (3 Cr) (3:0)

This is an introductory course in German emphasizing fundamentals of speaking, reading, writing, and listening. The course focuses on building basic vocabulary and introducing students to the German culture. It is designed for students with no German experience.

GRMN102

ELEMENTARY GERMAN II (3 Cr) (3:0)

This course is a continuation of GRMN101 with an emphasis on the fundamentals of speaking, writing and listening. The course focuses on building basic vocabulary and continuing the study of German culture.

Prerequisite: GRMN101 (Grade of C) or two years of high school German (Grade of C)

GRMN201

INTERMEDIATE GERMAN I (3 Cr) (3:0)

This course is a continuation of GRMN102, developing skills in speaking, reading, writing, and listening at the intermediate level.

Prerequisite: GRMN102 (Grade of C) or three years of high school German (Grade of C), or its equivalent.

GRMN202

INTERMEDIATE GERMAN II (3 Cr) (3:0)

This is a continuation of GRMN201 developing skills in speaking, reading, writing, and listening at the intermediate level.

Prerequisite: GRMN201 (Grade of C) or permission of Instructor.

GRMN250

SPECIAL TOPICS IN GERMAN (3 Cr) (3:0)

This course focuses on selected topics in German. This course will provide an opportunity to expand the modern language offerings into the areas of history, literature, and civilization.

COURSE DESCRIPTIONS

History

HIST101

HISTORY OF WESTERN CIVILIZATION I (3 Cr) (3:0)

This course emphasizes the political, social, economic, technological, and cultural forces that influenced the historical development of Western Civilization to 1648. Major topics include: Ancient Civilizations, Greece and Rome, Middle Ages, Renaissance, and Reformation.

HIST102

HISTORY OF WESTERN CIVILIZATION II (3 Cr) (3:0)

This course is a survey of Western Civilization since 1648 with emphasis on the concepts and historical movements vital to understanding the modern world. Major topics include the development of law and government, the emergence of the major ideologies of the nineteenth and twentieth centuries, the industrial revolution and economic modernization, 20th century "isms" and the impact of social and cultural development in Western Europe.

HIST105

U.S. HISTORY I (3 Cr) (3:0)

This course is an examination of United States history from the age of discovery through the Civil War. Particular emphasis will be placed on the social, economic, and political forces that were responsible for the development of the new nation.

HIST106

U.S. HISTORY II (3 Cr) (3:0)

This course is an examination of United States history from Reconstruction through the present. Particular emphasis will be placed on major themes in United States' politics, society, economics, and diplomacy.

HIST110

HISTORY & HERITAGE OF SUSSEX COUNTY (3 Cr) (3:0)

This course will present a study of Sussex County history and heritage. Using speakers, tours, and study materials, students will be exploring 200 years of Sussex County history and heritage.

HIST201

20th CENTURY ASIA (3 Cr) (3:0)

This course will examine the major events, ideas, and forces that have shaped the Asian world in the years after 1898. Special attention will be paid to the interaction of Western ideas of political freedom, economic development, and imperialism with the classical ideas of Asian societies. Demographic and other social cultural traits as well as the impact of modernization on traditional societies will likewise be assessed.

HIST250

SPECIAL TOPICS IN HISTORY

This course focuses on selected topics in History. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Horticulture

HORT102

PLANT PROPAGATION (4 Cr) (3:3)

This course acquaints the student with the techniques and facilities needed for plant propagation in the greenhouse and nursery industry.

Prerequisite: BIOS103 (Grade of C or better)

Lab Fee required

SUSSEX COUNTY COMMUNITY COLLEGE CATALOG 2020-2021

HORT105

Sustainable Garden Design (2:2) 3 credits

This course prepares students with the knowledge and skills to design basic gardens and landscape areas. Students will learn about sustainable garden design elements such as rain gardens, rainwater harvesting and green roofs as well as integrating herb gardens, edible landscapes, native plants and areas of the garden for bees and other pollinators.

HORT135

Ecological Landscape (3:3) 4 credits

This course prepares students with the fundamental knowledge to manage and maintain a landscape with an ecological perspective. Emphasis on proper planting techniques such as understanding your site, adding soil amendments, fertilizing and watering new and renovated landscape plant installations.

Lab Fee Required

HORT201

INTRODUCTION TO SOIL SCIENCE (4 Cr) (3:3)

This course acquaints the student with soil concepts, plant nutrients, and their influence on plant growth. Emphasis will be placed on soil testing, nutrient deficiency symptoms, and fertilizer requirements.

Prerequisite: CHEM110 (Grade of C or better)

Lab Fee required

HORT204

GREENHOUSE MANAGEMENT (4 Cr) (3:3)

This course covers all aspects of the greenhouse business including construction, heating, cooling, and ventilation of a modern greenhouse.

Prerequisite: BIOS110 (Grade of C or better)

Lab Fee required

Hospitality

HOST101

INTRODUCTION TO HOTEL, RESTAURANT, AND INSTITUTIONAL MANAGEMENT (3 Cr) 3:0

This course is designed to provide the student with an overview of the hospitality industry and focuses on the role of the professional manager within the industry. Topics include hotel and restaurant operation; meeting, event, and convention planning; travel and tourism; recreation and leisure management; gaming and casino operation; hospitality marketing; and human resource management within the framework of the hospitality industry. Career opportunities within the industry will also be addressed, as well as the ethical operation of hospitality enterprises.

HOST102

FUNDAMENTALS OF FOOD PREPARATION (2 Cr) (1:2)

This course provides the student with the basics of food preparation through hands-on food preparation using residential kitchens at Sussex satellite sites. Students will have the opportunity to explore the food industry as a career choice while gaining appreciation for consumer choices both at home and when dining out. This course is intended to serve as a basis to determine interest for further study in the culinary arts and for personal growth.

Lab Fee required.

COURSE DESCRIPTIONS

HOST103

FOOD SERVICE SANITATION (2 Cr) 2:0

This course provides the student with an in-depth study of food microbiology and a review of significant food-borne illnesses. Emphasis will be placed on food safety and adherence to local, state and federal regulations that address food service sanitation. The course is intended to prepare students for the National Restaurant Association Educational Foundation Certification exam and the New Jersey State Department of Health Food Service Managers Sanitation course exam.

HOST104

ESSENTIALS OF BAKING (2 Cr) (1:2)

This course provides students with the opportunity to develop the basic knowledge and skills needed for preparation of baked goods, including pastries. Students will have the opportunity to practice a variety of techniques used in the preparation of cakes, pastries, pies, cookies, and yeast and quick breads. Students will work in residential cooking laboratories at satellite sites. The application of pastries and baking will be applied in preparation of appetizers, main dishes, side dishes, sauces and desserts.

Lab Fee required

HOST108

HOTEL AND RESTAURANT OPERATIONS (3 Cr) (3:0)

This course provides an in-depth study of restaurant and hotel operations. Topics include the history of lodging; the evolution and classification of lodging and food service establishments; staff selection, training, supervision and motivation; front office operation; reservation systems; housekeeping and sanitation; dining room design and management; hotel security; bookkeeping systems; franchise operations and branding; customer service; hospitality law; productivity, cost control, and risk management.

Prerequisite/Corequisite: HOST101

HOST120

FOOD PREPARATION I (3 Cr) (1:4)

This course provides the student with an introduction to the commercial preparation of food. Students will have the opportunity to plan menus and practice the use of hand tools, common utensils, and powered food preparation equipment. In addition to the hands-on preparation of food in economic quantities, the course will provide students with managerial perspectives and the opportunity to operate an off-site restaurant. This course is intended to serve as a foundation for further study in the culinary arts.

Lab Fee required

HOST125

BAKING AND PASTRY ARTS (3 Cr) (1:4)

This course provides students with the opportunity to develop the knowledge and skills needed for employment in the baking and pastry field. Students will have the opportunity to study and practice a variety of general and specialized baking techniques that will be used in the preparation of cakes, pastries, pies, cookies, and various other goods as part of a "made-to-order" bakery service in a student operated off-site restaurant.

Lab Fee required

HOST136

HOSPITALITY MARKETING (3 Cr) (3:0)

This course provides students with an overview of all critical marketing functions as they apply specifically to the hospitality industry. Topics include the marketing mix; consumer behavior

and decision-making; market segmentation; market research; promotion of services; branding, positioning and image management; merchandising; public relations, and publicity. Special emphasis is placed on the promotion of lodging, food, beverages, and special events. Students will also develop practical market plans for enterprises in the hospitality industry.

Prerequisite/Corequisite: HOST101

HOST201

FOOD AND BEVERAGE MANAGEMENT (3 Cr) (3:0)

This advanced course is designed to acquaint the student with the management of commercial and on-site food and beverage service operations. The primary emphasis of the course is on purchasing for the hospitality field, and includes topics such as preparation of specifications, selection of suppliers, grading of food products, government regulation and inspection of foods, ordering, receiving, storage, and inventory management. In addition, the course will examine the basic principles of dining service management, restaurant design, menu management, and the selection, sale, and control of alcoholic beverages.

Prerequisite/Corequisite: HOST101

HOST222

COMMERCIAL FOOD SERVICE OPERATIONS (4 Cr) (2:4)

This course provides students with hands-on experience in the planning and operation of a food service enterprise. Topics covered include concept development, menu and nutritional concerns, budgeting and cost control, procurement and inventory management, marketing and promotion, dining room operation and related inventory management, marketing and promotion, dining room operation and related aspects of effective food service operation. Students will have the ability to develop and refine their management and operational skills in a restaurant located off site.

Lab Fee required

Prerequisite: HOST120

HOST240

INTERNATIONAL CULINARY ARTS (4 Cr) (2:4)

This course is designed to introduce students to the flavor components of different cuisines globally. In addition to studying the cuisine of all five continents, the Caribbean and British Isles will be explored.

Lab Fee required

Prerequisite: HOST120

HOST245

FOOD AS ART (4 Cr) (2:4)

This course is designed to introduce students to the art of cooking, including presentation, garnishes, flavor profiles to embellish the foods. We eat first with our eyes. This course will encourage personal creativity while incorporating professional traditions. Both hot and cold foods will be examined.

Lab Fee required

Prerequisite: HOST120

HOST250

SPECIAL TOPICS IN RESTAURANT AND HOTEL MANAGEMENT

This course focuses on selected topics in Restaurant and Hotel Management. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

COURSE DESCRIPTIONS

HOST280

HOSPITALITY AND CULINARY ARTS INTERNSHIP (3 Cr) (0:9)

This course is designed to give the culinary arts or hospitality student professional work experience in a job related to the specific program. The student will receive hands-on work experience in a job related to the program, complete course assignments, and develop a portfolio.

Prerequisite: Permission of Coordinator or Chair

Health Sciences

HSCI115

Ethics, Communications, Business, & Law (3:0)

This course is designed to focus on the professional relationship between healthcare professionals and the clients they serve. Emphasis will be placed in effective communication, and the communication process. Students will learn about ethics and legal issues of practice and culminates with the completion of a comprehensive business plan.

Humanities

HUMN101

SURVEY OF WORLD CULTURE I (3 Cr) (3:0)

This survey course explores the evolution of western and non-western key ideas in art, music, and literature from prehistoric times to the 14th century. Emphasis is placed on the comparison of social, economic, religious, and political forces in the arts in a variety of cultures and diverse people.

Prerequisite: Proficiency on the College Placement Test or Enrollment in

Corequisite: ENGL011

HUMN102

SURVEY OF WORLD CULTURE II (3 Cr) (3:0)

This survey course explores the evolution of western and non-western key ideas in art, music, and literature from the 15th to 21st century societies. Emphasis is placed on the comparison of social, economic, religious, and political forces in the arts in a variety of cultures and diverse people.

Prerequisite: Proficiency on the College Placement Test or Enrollment in

Corequisite: ENGL011

HUMN250

SPECIAL TOPICS IN WORLD CULTURE

This course focuses on selected topics in World Culture. Since the topics may change each time the course is offered; students should consult the course offering schedule each semester.

Human Services

HUMS101

INTRODUCTION TO SOCIAL WORK AND SOCIAL WELFARE (3 Cr) (3:0)

This course introduces students to social service agencies and policies, the history of social welfare programs, and the goals and values of social work as a profession.

HUMS120

INTERVIEWING AND COUNSELING (3 Cr) (3:0)

This course will focus on skills, theories, and principles of interviewing in human service settings. Emphasis will be placed

on counseling techniques, group dynamics and cultural bias in the interview process. Offered fall semester only.

HUMS160

CRISIS INTERVENTION (3 Cr) (3:0)

This course will assist individuals who are in frontline positions to make decisions and provide assessments when dealing with clients in a crisis situation.

Corequisite: HUMS101

Prerequisite: PSYC101 or permission of Instructor

HUMS170

INTRODUCTION TO GERONTOLOGY (3 Cr) (3:0)

This course introduces the student to a range of topics relevant to working directly with the elderly population, including the changing roles of older adults in post-industrial societies, the human services needs of older adults, community resources for older adults, issues involved in working with families and caregivers, and knowledge of adult developmental processes.

HUMS175

INTRODUCTION TO DEVELOPMENTAL DISABILITIES (3 Cr) (3:0)

This course provides an overview of developmental disabilities. Emphasis is placed on the history of developmental disabilities, details of various disabilities, the community and institutional service delivery system, and state and federal funding systems. Additionally, the course will examine health, adaptive behavior, abuse and neglect issues, as well as program planning and individual supports that contribute to greater quality of life for persons with developmental disabilities.

HUMS203

HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT: DIVERSITY (3 Cr) (3:0)

This course explores the interaction between the individual and the social environment. Emphasis is placed on effects of and responses to varying forms of prejudice and discrimination. Additionally, issues of race/ethnicity, socio-economic class, gender and sexual orientation are examined as they impact upon direct practice in the social work field.

Prerequisite: HUMS101, PSYC101

HUMS205

SOCIAL WELFARE POLICY (3 Cr) (3:0)

This course examines the history and philosophy of U.S. social welfare policy from World War I through the present. The relative impact of political, social, and economic forces on policy decisions is examined in depth, and U.S. Policy is compared to that of other western democracies.

Prerequisite: HUMS101 and SOCA101

HUMS210

INTERPERSONAL VIOLENCE INTERVENTIONS (3 Cr) (3:0)

This course explains all aspects of domestic violence, sexual violence and abuse from a feminist perspective. Completion of this course may be considered as the volunteer and/or staff training required by Domestic Abuse & Sexual Assault intervention Services D.A.S.I.

HUMS220

FIELD EXPERIENCE IN HUMAN SERVICES (3 Cr) (2:8)

This is a combined field work and field seminar course. Students spend 120 hours as interns in a social service agency in direct

COURSE DESCRIPTIONS

contact with agency workers and agency service population, and under the task supervision of a Masters-level agency employee. They spend an additional 30 hours in seminar. Interviewing and counseling skills learned in earlier program courses are applied in the field setting. Additional skills are acquired in the lecture and integrated into the field setting as the semester progresses. All these skills are reinforced and expanded upon through the production of two process recordings or project logs per week per student, which are shared and analyzed in the seminar component of the course.

Prerequisite: Completion of 21 credits toward the A.S. in Human Services; HUMS120 (Grade of C+ or Higher); or Permission of Program Coordinator.

HUMS221 **FIELD EXPERIENCE IN HUMAN SERVICES II** **(3 Cr) (1:8)**

This course serves as an internship providing experiential learning through student involvement in a local agency.

Prerequisite: HUMS220 and Permission of Program Coordinator

HUMS250 **SPECIAL TOPICS IN HUMAN SERVICES**

This course focuses on selected topics in human services. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Italian

ITAL101 **ELEMENTARY ITALIAN I (3 Cr) (3:0)**

This is an introductory course in Italian emphasizing the fundamentals of speaking, reading, writing, and listening. The course focuses on building basic vocabulary and introducing students to the Italian culture. It is designed for students with no Italian experience.

ITAL102 **ELEMENTARY ITALIAN II (3 Cr) (3:0)**

This course is a continuation of ITAL101 with an emphasis on the fundamentals of speaking, reading, writing, and listening. The course focuses on building basic vocabulary and continuing the study of the Italian culture.

Prerequisite: ITAL101 (Grade of C) or two years of high school Italian (Grade of C)

ITAL201 **INTERMEDIATE ITALIAN I (3 Cr) (3:0)**

This course is continuation of ITAL102, developing skills in speaking, reading, writing, and listening at the intermediate level.

Prerequisite: ITAL102 (Grade of C) or three years of high school Italian (Grade of C) or its equivalent

ITAL202 **INTERMEDIATE ITALIAN II (3 Cr) (3:0)**

This is a continuation of ITAL201, developing skills in speaking, reading, writing, and listening at the intermediate level.

Prerequisite: ITAL201 (Grade of C) or permission of the instructor

ITAL250 **SPECIAL TOPICS IN ITALIAN**

This course focuses on selected topics in Italian. This course will provide an opportunity to expand the modern language offerings into the areas of history, literature, and civilization.

Legal Studies

LEGA100/ POLS111 **INTRO TO THE AMERICAN LEGAL SYSTEM** **(3 Cr) (3:0)**

This course is an introduction to the fundamental principles of the American Legal System. Topics include the structure of the state and federal court systems, legal terminology, and constitutional law decisions affecting every citizen and how to work within the system. Students will visit the Superior Court.

LEGA103 **NEW JERSEY PRACTICE (3 Cr) (3:0)**

This course is an in-depth study of the Civil Court Rules for the New Jersey Court System. Each student will draft a summons, complaint, an answer, affirmative defenses, a counterclaim, a cross-claim, a third-party complaint, discovery requests and motions consistent with New Jersey Court Rules.

LEGA105 **LEGAL RESEARCH & WRITING I (3 Cr) (3:0)**

This course is an introduction to the legal research process and legal writing. Topics include use of a law library, research techniques, computer-assisted legal research, writing office memoranda and case briefs.

Prerequisite: ENGL101

LEGA106 **CIVIL LITIGATION (3 Cr) (3:0)**

This course is an introduction to the principles of civil litigation. Topics include client interview, investigation and evidence, courts and jurisdiction, alternative dispute resolution, pleadings, discovery, motion practice, and trial. Special emphasis is given to the Canon of Ethics and the Code of Professional Responsibility in representing clients during the litigation process.

LEGA110 **ESTATES & TRUSTS (3 Cr) (3:0)**

This course is a study of basic estate planning and administration of decedents' estates. Topics include intestacy, wills, probate, federal and state taxes, accounting, and distribution of assets. Students learn to draft wills and prepare inheritance tax forms.

Prerequisite: LEGA100

LEGA115 **REAL ESTATE TRANSACTIONS (3 Cr) (3:0)**

This course is a study of New Jersey real estate legal practice and procedures. Topics include conveyancing, forms, and the theory and practice of real estate transactions. Sample cases are used to illustrate the legal assistant's role in real property conveyance. Landlord-tenant laws and eviction procedures are also discussed.

Prerequisite: LEGA100

LEGA120 **FAMILY LAW (3 Cr) (3:0)**

This course is an introduction to New Jersey family law. Topics include divorce, annulment, property distribution, child custody, alimony, and support and visitation of children. New Jersey forms and procedures are reviewed. Students examine case studies and prepare matrimonial pleadings, agreements, and pre-trial memoranda.

Prerequisite: LEGA100

COURSE DESCRIPTIONS

LEGA210

LEGAL RESEARCH AND WRITING II (3 Cr) (3:0)

This course builds upon the knowledge gained in Legal Research and Writing I. Emphasis is placed on computer assisted legal research and advanced brief writing.

Prerequisite: LEGA105

LEGA215

BANKRUPTCY (3 Cr) (3:0)

This course will provide an overview of the three most utilized Chapters of the Bankruptcy Code: Chapters 7, 11, and 13. Concepts covered will include Property of the Estate, Exemptions, Discharge of Debts, Claims and Business and Personal Reorganizations. Additionally, the roles of the parties in a Bankruptcy case will be identified and students will be familiarized with various research sources.

LEGA217

WORKER'S COMPENSATION (3 Cr) (3:0)

This course will provide an overview and practical application of the Workers Compensation statutory method of providing benefits to an employee or his dependent who suffers a personal injury or death by accident or occupational disease arising out of and in the course of employment.

LEGA218

TORTS (3 Cr) (3:0)

This course is an introduction to the Law of Torts. Topics include torts against the person, torts against property, torts against reputation, malpractice, torts against civil rights, defenses to tort claims, remedies for tort claims, and careers in tort law.

Prerequisite: LEGA100

LEGA223/CRJS223/POLS223

CONSTITUTIONAL LAW (3 Cr) (3:0)

This course will examine the U.S. Constitution as the framework for government. Leading decisions of the U.S. Supreme Court will be analyzed in the areas of Civil Rights and Civil Liberties with emphasis on the Bill of Rights, the 13th, 14th and 15th amendments.

LEGA225

LAW OFFICE MANAGEMENT (3 Cr) (3:0)

This course will cover the fundamentals of law office management and organization. Subjects covered include: basic principles and structure of management, employment opportunities for the paralegal, timekeeping, trust, accounting systems, marketing issues, administrative and substantive systems in the law office and law practice technology.

LEGA230

ELDER LAW (3 Cr) (3:0)

This course is the study of elder law. Topics include: Elder law practice; health problems of the elderly; life planning, including drafting a last will and testament and advance directives for healthcare; guardianship and conservatorship, estate planning, including the use of a variety of trusts; cohabitation, marriage and divorce from the elder law perspective; financial planning, including Social Security, Medicare and Medicaid, taxes, long-term care, viatical settlements and reverse mortgages; housing options, including nursing homes; age discrimination; elder abuse, including financial fraud; grandparents' rights; euthanasia and physician-assisted suicide; and legal aspects of funeral planning. Elder Law introduces the student to the roles attorneys, paralegals and geriatric professionals have

SUSSEX COUNTY COMMUNITY COLLEGE CATALOG 2020-2021

within an elder law practice. Students will read case law from a varied selection of states. Student may prepare a variety of legal documents important in a typical elder law practice.

Corequisite: LEGA100/POLS111

LEGA250

SPECIAL TOPICS IN PARALEGAL STUDIES

This course focuses on special topics in Paralegal Studies. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

LEGA281

PARALEGAL INTERNSHIP (3 Cr) (2:7)

This course places the student in a supervised internship. Students will complete a minimum of 100 hours in the field. Classroom components of this course focus on legal ethics, portfolio development, interpersonal skills, resume preparation and interviewing techniques.

Prerequisite: LEGA100, LEGA103, LEGA105, LEGA106, 3 additional LEGA credits and permission of Program Coordinator

Massage Therapy

MTHS110

Massage Therapy Techniques I (2:4) 4 credits

This course is the first of a two-semester hands-on technique series that provides the foundation skills for Massage Therapy (MT). This course focuses on theory and standards important to the practice of massage therapy. It presents the history of massage therapy around the world. It comprehensively covers techniques and sequencing for Swedish massage (SWM) (a basic approach to massage) and introduces neuromuscular massage (a more technical approach). The foundations of Swedish massage modality are taught with an emphasis on technique and development of palpation skills. Other modalities covered are energy work, chair massage, and hot stone.

MTHS112

Massage Therapy Techniques II (2:4) 4 credits

This course, the second of a two-semester hands-on technique series, offers comprehensive coverage of Neuromuscular Massage Therapy. In addition to systematic assessments, protocols and sequencing for all parts of the body, the course will cover breathing dynamics, detailed postural assessment, introductory kinesiology, sports massage techniques, lymphatic drainage methods, and integration of different modalities in client-centered Massage Therapy setting.

Corequisite BIOS103.

MTHS135

Supplemental Modalities I (1:4) 3 credits

This course exposes students to various supplemental therapies available in the field of massage therapy. Students will learn the fundamentals of these modalities. Examples of current modalities are T'ai Chi, aromatherapy, reflexology, canine massage, geriatric, oncology, child and infant/ pregnancy massage. Prerequisite MTHS112.

MTHS137

Supplemental Modalities II (1:4) 3 credits

This course exposes students to various modalities of therapy available in the field of bodywork. It covers the fundamentals,

COURSE DESCRIPTIONS

applications, and contraindications of the modality. Examples are: advanced neuromuscular technique, Asian bodywork and Reiki.

Prerequisite MTHS112

Corequisites BIOS104 & EXSC201

MTHS210

Massage Therapy Clinical (0:6) 2 credits

This course provides exposure and experience in applying Massage Therapy principles, protocols and techniques in a professional MT setting. Students will learn the various aspects of running a massage therapy business.

Prerequisites MTHS110 & MTHS112.

MTHS212

Supplemental Modalities Clinical (0:6) 2 credits

This course implements the principles and techniques of the specific modalities learned in Supplemental Modalities I and Supplemental Modalities II courses in a clinical setting. Examples of current modalities are Tai Chi, aromatherapy, reflexology, canine massage, geriatric, oncology, child and infant/pregnancy massage, and advanced neuromuscular technique, Asian bodywork and Reiki.

Prerequisites MTHS135 & MTHS137

Mathematics

MATH005

FUNDAMENTALS OF BASIC MATH (1-IC) (1:0)

This course provides instruction on fundamental concepts from MATH010 Basic Mathematics. Topics include fractions, decimals, ratios and proportions, percents, exponents, and square roots. This course is intended for students who have taken the mathematics placement test and have not yet taken Basic Mathematics. Students must achieve proficiency on a retake of the mathematics placement test to pass this course.

Prerequisite: Appropriate mathematics placement score and no previous enrollment in MATH010

MATH010

BASIC MATHEMATICS (3 IC) (3:0)

This course equips students with a working knowledge of the fundamentals of mathematics. Emphasis is placed on the understanding of basic mathematical concepts. Topics include whole numbers, fractions, decimals, ratios and proportions, percents, exponents, and square roots. Basic Mathematics is offered in the traditional classroom setting or in a self-paced computerized setting.

MATH012

FUNDAMENTALS OF BASIC ALGEBRA (1-IC) (1:0)

This course provides instruction on fundamental concepts from MATH023 Basic Algebra. It is designed for students who have taken the algebra placement test and have not yet taken Basic Algebra or Introductory Algebra I or II. Students must achieve proficiency on a retake of the algebra placement test to pass this course.

Prerequisite: Appropriate algebra placement score and no previous enrollment in MATH023

MATH015

INTRODUCTORY ALGEBRA I (3-IC) (3:0)

This course, the first part of a two-semester basic algebra sequence, equips students with a working knowledge of basic algebraic concepts with a strong emphasis on problem-solving

skills. Topics include variable expressions, first degree equations and inequalities, exponents, and polynomials. Upon successful completion of this course, the student must enter MATH017.

Prerequisite: MATH010 (Grade of C) or appropriate mathematics placement score

MATH017

INTRODUCTORY ALGEBRA II (3-IC) (3:0)

This course is a required continuation of MATH015. Successful completion of this course constitutes completion of the MATH015/017 math sequence. This course equips students with a working knowledge of basic algebraic concepts with a strong emphasis on problem-solving skills and prepares students to enter MATH040, MATH104, MATH106, or MATH108. Topics include factoring, algebraic fractions, graphing, systems of equations, radical expressions and quadratic equations.

Prerequisite: MATH015 (Grade of C)

MATH023

BASIC ALGEBRA (3-IC) (3:0)

This course equips students with a working knowledge of basic algebraic concepts with a strong emphasis on problem-solving skills and prepares students to enter MATH040, MATH104, MATH106, or MATH108. Topics include variable expressions, first degree equations and inequalities, exponents, polynomials, factoring, algebraic fractions, graphing, systems of equations, radical expressions, and quadratic equations. Students who want a slower-paced course may elect to enroll in the MATH015/MATH017 sequence.

Prerequisite: MATH010 (Grade of C) or appropriate mathematics placement score; and appropriate algebra placement score

MATH040

INTERMEDIATE ALGEBRA (3-IC) (3:0)

This course equips students with the algebraic concepts necessary for pre-calculus. Topics include completing the square, the quadratic formula, absolute value equations and inequalities, graphing linear and quadratic functions, rational exponents, radical equations, and complex numbers.

Prerequisite: MATH017 (Grade of C) or MATH023 (Grade of C) or appropriate algebra placement score

MATH104

CONTEMPORARY MATHEMATICS (3 Cr) (3:0)

This course surveys several basic concepts of mathematics designed to give non-scientific/non-technical majors an understanding of the breadth of mathematics in areas other than computational application. Topics include: logic, financial management, geometry, measurement, probability and statistics.

Prerequisite: Grade of C or better in MATH017/MATH023 or appropriate algebra placement score

MATH105

TECHNICAL MATHEMATICS (3 Cr) (3:0)

This course is intended for students who have introductory algebra proficiency, and who need to apply mathematical concepts in a technical program. The purpose of the course is to prepare AAS students for the mathematical aspects of their work in the technical trades.

Prerequisite: Proficiency on the College Placement Examination or grade of C or better in MATH017/MATH023.

MATH106

MATHEMATICAL CONCEPTS (3 Cr) (3:0)

This course surveys several basic concepts of mathematics designed to give non-scientific/non-technical majors an

COURSE DESCRIPTIONS

understanding of the breadth of mathematics in areas other than computational application. Topics include: problem solving, the real number system, linear and quadratic equations, exponents and logarithms, graphs and functions, and graph theory.

Prerequisite: Proficiency on the College Placement Examination or Grade of C or Better in MATH017/MATH023

MATH108 STATISTICS (3 Cr) (3:0)

This course includes the following topics: organization of data, measures of central tendency and dispersion, probability, the normal and binomial distributions, confidence intervals, hypothesis testing, analysis of variance, and correlation.

Prerequisite: MATH017 (Grade of C) or MATH023 (Grade of C) or appropriate algebra placement score

MATH110 PRE-CALCULUS I (3 Cr) (3:0)

This course is designed to strengthen algebraic skills and give students the math confidence to proceed with calculus and other higher forms of mathematics. Topics include the study of functions, graphing techniques, polynomial, rational, exponential and logarithmic functions and systems of equations and inequalities.

Prerequisite: MATH040 (Grade of C) or appropriate pre-calculus placement score

MATH111 BUSINESS CALCULUS (3 Cr) (3:0)

This course introduces students to the techniques of differential and integral calculus. Emphasis is placed on the applications of limits, derivatives and integrals in the field of business.

Prerequisite: MATH110 (Grade of C or higher)

MATH112 PRE-CALCULUS II (3 Cr) (3:0)

This course is a continuation of Pre-Calculus I. It emphasizes mastery of the basic concepts of trigonometry, vectors, and conic sections. Topics include trigonometric functions, applied and analytical trigonometry, and an introduction to analytic geometry.

Corequisite: MATH110

MATH113 CALCULUS I (4 Cr) (4:0)

This course includes the study of the concepts of limits and continuity; the derivative and its applications; integration and the Fundamental Theorem of Calculus. Algebraic, trigonometric, inverse trigonometric, exponential and logarithmic functions will be studied.

Prerequisite: MATH110 and MATH112 (grades of C) or appropriate pre-calculus placement score

MATH114 CALCULUS II (4 Cr) (4:0)

This course is the second semester of a three semester sequence of introductory calculus. Topics include integration techniques, applications of integration, infinite series, parametric equations, and polar coordinates.

Prerequisite: MATH113 (Grade of C)

MATH201 DISCRETE MATHEMATICS (4 Cr) (4:0)

This course provides an introduction to discrete mathematics and its applications. Topics include elementary set theory, logic, combinatorics, relations, graphics and trees, functions and

number theory.

Prerequisite: MATH113 (Grade of C or higher)

MATH213 CALCULUS III (4 Cr) (4:0)

This course is a continuation of Calculus II. Topics include analytic geometry in three dimensions, functions of several variables, partial derivatives, multiple integrals, vectors, and introduction to vector calculus.

Prerequisite: MATH114 (Grade of C)

MATH215 LINEAR ALGEBRA (4 Cr) (4:0)

This course provides an introduction to Linear Algebra and its applications. Topics include systems of linear equations and matrices, determinants, vectors and vector spaces, linear transformations, eigenvalues and eigenvectors.

Corequisite: MATH114

MATH220 ORDINARY DIFFERENTIAL EQUATIONS WITH APPLICATIONS (4 Cr) (4:0)

This course covers first and second order ordinary differential equations; systems of ordinary differential equations; applications of ordinary differential equations; and numeric and computational modeling techniques. The numeric modeling will be done by computer programming.

Prerequisite: MATH114 (Grade of C or higher)

MATH222/PSYC222 STATISTICS AND RESEARCH METHODS IN PSYCHOLOGY (4 Cr) (3:2 SPSS)

This course is designed for psychology majors in preparation for further studies in psychology at the 4-year college level. Psychology students will become acquainted with the history of research methods in psychology and ethical considerations in both animal and human behavioral research, while focusing on the use of quantitative research methods and statistics in psychological research. Students will utilize the Statistical Package for the Social Sciences

Lab Fee required

Prerequisite: PSYC101 and Proficiency on Math Placement Test

MATH250 SPECIAL TOPICS IN MATHEMATICS

This course focuses on selected topics in mathematics. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Machine Tool Technology

MCHT103 PRINT AND DRAWING INTERPRETATION (3 CR) (2:2)

Introduce students to print reading specifically for machining trades. This will give students general knowledge to be successful drawing prints in CAD software to make industry standard prints.

Lab Fee required

Prerequisite: Proficiency on the Basic English writing and Basic Math portion of the Placement Test.

MCHT105 MACHINE TOOL TECHNOLOGY I (4 Cr) (2:2)

This course is designed to introduce the learner to the machining

COURSE DESCRIPTIONS

field and the career opportunities and personal traits needed to be successful in the trade. Emphasis is placed on general shop safety, measuring tools, layout tools, hand tools and bench-work fundamentals. The course covers safety, repair, maintenance, setup and basic operational procedures on the pedestal grinder, drill press and the metal lathe. The vertical mill and its operations are introduced. The lab portion of the course is designed to allow students the opportunity to develop machining skills through practical experience and repeated performances to become more proficient in the machine tool trade.

Lab Fee required.

Prerequisite: Proficiency on the Basic English writing and Basic Math portion of the Placement Test.

MCHT115 INSTRUMENTS, TOOLS AND MACHINES (2 Cr) (2:0)

This course is designed to teach the learner proper care and use of basic tools, measuring instruments and safety procedures. Precision measuring and basic operational procedures on drill presses, power saws, and the correct use of hand tools are covered.

Prerequisite: Proficiency on the Basic English writing and Basic Math portion of the Placement Test.

MCHT125 MACHINE TOOL TECHNOLOGY II (4 Cr) (2:4)

This course is a continuation of MCHT 105 Machine Tool Technology I. Emphasis is placed on personal traits needed to be successful in the trade, shop safety, print reading, layout work, accurate measuring and inspection. Areas of concentration are safety, repair, and maintenance. Set-up and advanced operational procedures are covered on the metal lathe, vertical mill, horizontal mill, and drilling machines. New cutting tools and procedures to efficiently remove metal are introduced. The lab portion of the course is designed to allow students the opportunity to develop machining skills through practical experience and repeated performances to become more proficient in the machine tool trade. Lab Fee required.

Prerequisite: MCHT 105 with a C or better or permission of the coordinator or department chair.

MCHT135 INTRODUCTION TO CNC PROGRAM & OPERATIONS (3 Cr) (2:2)

This course covers operations on Computer Numerical Control (CNC) Machining Centers and CNC Turning Centers using manual and computer-generated programs to machine products. Specific areas of study include simple and practical programming techniques using CAM software, CNC cutting tools, and mass production procedures.

Lab Fee required.

Prerequisite: MCHT 105 with a C or better or permission of the coordinator or department chair.

MCHT147 CNC TURNING AND MACHINING CENTERS (3 Cr) (2:2)

This course is designed for the learner to utilize CAD to make drawings, generate computer programs using CAM software and to program and operate CNC vertical machining and turning centers to produce parts to specification.

Lab Fee required.

Prerequisite: MCHT 125 and MCHT 135 with a C or better or permission of the coordinator or department chair.

MCHT218 MACHINE TOOL TECHNOLOGY III (4 Cr) (2:4)

This course is an upper level technical course designed to give learners advanced knowledge and practical experiences required to be employed in the machining field. Areas covered include the application of cutting tools, cutting fluids, types of cutting tool, precision measuring and inspection, basic metallurgy and surface grinding procedures. Advanced setup and machining operations are studied and practiced on lathes, mills, and grinders. The lab portion of the course is designed to allow students the opportunity to develop machining skills through practical experience and repeated performances to become more proficient in the machine tool trade.

Lab Fee required.

Prerequisite: MCHT 125 with a C or better or permission of the coordinator or department chair.

MCHT225 COMPUTER AIDED MACHINING I (3 Cr) (2:2)

This course is designed to introduce the learner to utilize CAD to make drawings, and create toolpaths in order to generate programs using CAM software. These programs are used to operate Computer Numerical Control (CNC) Turning and Machining Centers.

Lab Fee required.

Prerequisite: MCHT 125 and MCHT 135 with a C or better or permission of the coordinator or department chair.

MCHT235 COMPUTER AIDED MACHINING II (3 Cr) (2:2)

This course is designed to introduce the learner to multi-axis machining. Students use CAM software to create toolpaths in order to generate programs for multi-axis programming. These programs are used to operate Computer Numerical Control (CNC) Machining Centers.

Lab Fee required.

Prerequisite: MCHT 147, MCHT 218 and MCHT 225 with a C or better or permission of the coordinator or department chair.

MCHT240 MANUFACTURING METHODS (3 Cr) (2:2)

This course is designed to familiarize students with current manufacturing processes needed to convert raw materials into quality products. Specific areas of study include product research and development, production planning, and computer automation.

Lab Fee required.

Prerequisite: MCHT 147, MCHT 218 and MCHT 225 with a C or better or permission of the coordinator or department chair.

MCHT280 MACHINE TOOL INTERNSHIP (4 Cr) (1:9)

This course is formatted to offer students hands on experience in careers found in the field of Machine Tooling. Students will have the opportunity work in either paid or non-paid positions under the supervision of an approved supervisor.

Prerequisite: MCHT 125 and MCHT 225 with a C or better, or permission of the coordinator or department chair

COURSE DESCRIPTIONS

Medical Assistant

MAHS100

Introduction to Medical Insurance and Coding (3:0) 3 credits

This course is an introduction to the fundamentals of medical insurance and coding. Upon completion of this course students will be able to demonstrate an understanding of insurance management of the medical office and become familiar with the frequently used reference books: Current Procedural Terminology (CPT) and International Classification of Diseases (ICD-11-CM.) Students will progress from identifying basic insurance terminology to completing various types of insurance forms and referrals. They will learn how to interpret various insurance documents including referrals, claims forms, and Explanation of benefits. Students will also become familiar with different types of reimbursement systems and how to work within each of those systems. Additionally, students will be able to analyze medical records and assign codes to diagnoses and procedures to support clinical care; to assist medical research in hospitals, physicians' offices, and other healthcare facilities; and to provide information for reimbursement purposes. Students will demonstrate an understanding of the coding and billing guidelines mandated by third-party payers in order to ensure consistency and eliminate fraud.

MAHS101

Human Anatomy & Terminology I (3:0) 3 credits

This course is the first part of a two-part curriculum that uses a systems approach toward teaching the structure, basic functions and diseases of the human body in states of wellness and illness. It incorporates a formal study of medical language with an emphasis placed on building a medical vocabulary. Students will develop a thorough understanding of word elements: prefixes, suffixes and root words, and how they are combined to create medical words. Common medical terms of major disease processes, diagnostic procedures, laboratory tests, abbreviations, drugs, and treatment modalities will also be covered.

MAHS102

Human Anatomy & Terminology II (3:0) 3 credits

This course continues the building of thousands of medical terms via its specialized fields and body systems. Because of the continual growth and advances in the medical field, thousands of words are constantly being added to the dictionary annually; thus, contributing significantly to the progress of medicine and its terminology. This course is designed for anyone interested in the world of medicine.

Prerequisite MAHS101 with C or better.

MAHS110

Medical Office & Health Records (3:3) 4 credits

This course offers training and applications using full-featured, state-of-the-art, software and current, realistic medical office cases while building transferable computerized medical billing and scheduling skills. The course is designed to provide a working knowledge of concepts, processes and procedures encountered in a physician's office management setting. Students will be introduced to the field of health information technology and healthcare documentation including the voluntary and regulatory standards related to the healthcare record. Students will work on current, realistic medical office cases while building transferable electronic medical record skills.

Prerequisite MAHS100 with a C or better.

MAHS112

SUSSEX COUNTY COMMUNITY COLLEGE CATALOG 2020-2021

Medical Office Administration (3:0) 3 credits

This course familiarizes the student with the administrative functions and basic finances found in the medical office. Topics include such clerical functions as mail processing, telephone techniques, scheduling appointments, medical records, and filing systems pertinent to effective and efficient office administration. Understanding office policies and procedures as well as equipment, maintenance and supply inventory will also be reviewed. The course concludes with an overview of basic finances relevant to the medical practice.

MAHS130

Assisting with Medical Exams (1:5) 3 credits

This clinical course is designed to familiarize the Medical Assistant with the essential principles and procedures for assisting with medical exams in the clinical setting. Students will begin with an overview of the clinical environment and safety in the medical office and then learn the fundamental role and practical application of medical asepsis and infection control. Students will learn how to obtain, record, and properly chart a patient's history and vital signs and learn how to prepare the patient for various specialty examinations such as pediatrics, geriatrics and obstetrics. The course will conclude with emergency preparedness issues.

Lab Fee Required

MAHS135

Hematology and Phlebotomy (1:3) 2 credits

This course familiarizes the student with the guidelines and procedures for blood collection via capillary puncture and venipuncture. The student will work with a variety of blood collection tools and will have the opportunity for extensive laboratory practice of hematology skills. Students will learn about the function, composition and normal values of blood, and methods for assessing blood components. In addition, the principles of IV therapy will be discussed. OSHA and CLIA guidelines will be emphasized throughout the lesson.

Prerequisite: MAHS130 with C or better

Lab Fee Required

MAHS137

Electrocardiography/CPR & First Aid (1:4) 2 credits

This course is designed to teach students the fundamentals of Electrocardiography, CPR, and First Aid Emergency Care. Through clinical lessons students will learn the physiological steps of the cardiac cycle and its electrocardiograph readings. Skills are developed in the identification and elimination of artifacts. The mounting and labeling of completed EKG readings, as well as the care and maintenance of equipment are reviewed. Emphasis will be placed in proper patient preparation for accurate testing results. Students are also taught the American Heart Association's Healthcare Provider CPR/AED for the Health Care Professional and the American Red Cross Heartsaver® First Aid course. Students will learn the skills needed to appropriately respond to both on-site incidents and emergency telephone messages from patients.

Prerequisite MAHS130 with C or better

MAHS145

Pharmacology (2:3) 3 credits

This course introduces the basic principles of pharmacology, the study of drug interactions, routes of administration, and classes of drugs by body system. Students are introduced to the most commonly used medications. Emphasis is on building a working knowledge of pharmacology while increasing a student's medical vocabulary. Students will learn abbreviations associated with

COURSE DESCRIPTIONS

pharmacology. This course also includes a pharmacology lab designed to teach the medical assistant within a lab setting, the practical knowledge required for the identification, preparation and administering of medications found in the medical office. Students will learn the various forms, measurements and dosage calculations of drugs for adults and children using the apothecaries' and metric system. Students will gain and apply an understanding of the principles of administering medications via oral, nonparenteral, and parenteral in this laboratory setting utilizing medical and immunization records for the patient.

Lab Fee Required

MAHS205

Medical Law & Ethics (3:0) 3 credits

This course provides a forum for discussion of basic law and ethical issues related to medical practice and patient rights. Topics covered in this course include jurisprudence and the classification of law, medical professional liability and negligence, as well as the physician licensure and registration process. The history of ethics in medicine and other ethical issues surrounding the medical field will be explored as well as HIPAA standards, practices and provisions. Included will be a review of the Code of Ethics and Creed of the AAMA (American Association of Medical Assistants) which sets forth principles of ethical and moral conduct as they relate to the medical profession and the particular practice of medical assisting. Also included will be the AAPC (American Academy of Professional Coders) and AHIMA (American Health Information & Management Association) Code of Ethics that reflect the coding profession's core values and establishes a set of ethical principles to be used to guide decision-making and actions. Finally, the AHDI (Association for Healthcare Documentation Integrity) Code of Ethics will be touched upon for practical application and interpretation of case studies.

MAHS210

Clinical Procedures for Medical Assistant (1:5) 3 credits

This course familiarizes the student with the clinical aspects of medical assisting procedures. Students will learn about methods of infection control within the medical office setting as well as the diagnostic procedures, treatments and tests found in a clinical setting. Topics to be discussed and applied are assisting with minor office surgery, diagnostic procedures, assisting with treatments and finally the laboratory and laboratory testing associated the medical office.

Lab Fee Required

Prerequisite: MAHS130 with C or better.

MAHS212

Professional Medical Assistant (1:4) 3 credits

This course is the final step in the training of the medical assistant. The purpose of this course is to reiterate, practice, and perfect the professional and clinical knowledge learned in the classroom equipping the medical assistant with confidence and competency for their externship experience. The format of this course involves the review of both professional and clinical skills required for externship and future employment as a medical assistant. The focus is on professional relationships between healthcare professionals and the clients they serve. Students will also receive both generalized and specific instruction on resume building and interviewing skills. They will have the opportunity to create their own resume and to participate in mock job interviews in order to hone their skills and receive constructive feedback.

Prerequisite: Successful completion of the didactic portion of the Medical Assistant Program.

MAHS215

Medical Assistant Practicum (160 lab hours) 3 credits

Upon successful completion of all course work, the Practicum is the capstone course for the Medical Assistant Program. The student is placed in a local medical facility where he/she is encouraged to experience and perform duties that he/she trained for in the classroom under the supervision of a physician with the guidance of his or her support staff. This rewarding 160 hours of practical training consists of 80 hours of clinical experience and 80 hours of administrative experience.

Prerequisite: Successful completion of the didactic portion of the Medical Assistant program, with a passing grade of C or better, prior to being admitted into the practicum program.

Music

MUSC101

MUSIC APPRECIATION (3 Cr) (3:0)

This course is a study and appreciation of music through directed listening of recordings, films, demonstrations, live performances and readings. The class will focus on the elements of music by exploring examples from a range of musical styles, including classical music, ethnomusical traditions, jazz, and rock. Active class participation and attendance of live performance(s) are required.

MUSC102

DANCE I (1 Cr) (0:2)

This course consists of level one dance lessons (to be arranged) in tap and jazz. This course gives students a foundation for auditions, performance and choreography with a focus on musical theater. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances. This course is open to musical theater majors.

Additional fees are required.

MUSC105

CHORUS I (1 Cr) (0:2)

This course provides training in style and interpretation of music from all periods of history. It allows students the opportunity to perform in public. (Students may participate on a non-credit basis).

MUSC106

CHORUS II (1 Cr) (0:2)

Continuation of MUSC105. (Students may participate on a non-credit basis).

MUSC107

CHORUS III (I Cr) (0:2)

Continuation of MUSC105 and MUSC106. (Students may participate on a non-credit basis).

MUSC109

HISTORY OF ROCK AND ROLL (3Cr) (3:0)

This course examines the history of rock and roll as it unfolded in the United States, from the days before rock (pre-1955) to the end of the 1960s. Students will explore the music of many artists, with an emphasis on both cultural context and on the music itself. Explore how developments in the music business and in technology helped shape the ways in which styles developed.

COURSE DESCRIPTIONS

MUSC110

INTRODUCTORY MUSIC THEORY (3 Cr) (2:2)

This course is a beginning level study of music theory, including: notation (reading and dictation), ear training, keyboard skills and basic harmony. Active class participation is required, and students must have regular access to a piano or keyboard.

Lab Fee required

Corequisites: MUSC130, MUSC121 or MUSC140, MUSC150

MUSC111

MUSIC THEORY II (3 Cr) (2:2)

This course is a continued study of music theory, including: notation (reading and dictation), ear training, keyboard skills and basic harmony. Active class participation is required, and students must have regular access to a piano or keyboard.

Prerequisite: MUSC110

Corequisite: MUSC122, MUSC131

Lab Fee required.

MUSC112

APPLIED MUSIC I: PIANO (1 Cr) (0:2)

This course consists of level one piano lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: None

Corequisites: MUSC110, MUSC130 or MUSC121

Additional fees are required.

MUSC113

APPLIED MUSIC II: PIANO (1Cr) (0:2)

This course consists of level two piano lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC112 (Grade of C or higher)

Corequisites: MUSC111, MUSC131 or MUSC122

Lab fee is required.

MUSC115

ELECTRONIC MUSIC I (3 Cr) (2:2)

This course is an introduction to electronically generated sound and the hands-on practice of electronic music composition utilizing a Digital Audio Workstation, DAW, and sequencing software Musical Instrument Digital Interface, MIDI. Students will focus on building an appreciation of electronic music styles and techniques through an exploration of electronic music history. Emphasis is on the physical properties of sound, synthesizers, music recording and music arrangement.

Corequisite: MUSC110

Lab Fee required

MUSC116

APPLIED MUSIC I: DRUMS (1 Cr) (0:2)

This course consists of lessons (to be arranged) on student's primary instrument or in voice. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances. Additional fees are required.

Prerequisite: None

Corequisites: MUSC110, MUSC130 or MUSC121

MUSC117

APPLIED MUSIC II: DRUMS (1 Cr) (0:2)

This course consists of lessons (to be arranged) on student's primary instrument or in voice. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: MUSC116 (Grade of C or higher)

Corequisite: MUSC111, MUSC131 or MUSC122

MUSC118

APPLIED MUSIC I: GUITAR (1 Cr) (0:2)

This course consists of lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances. Additional fees are required.

Prerequisite: None

Corequisites: MUSC110, MUSC130 or MUSC121

MUSC119

APPLIED MUSIC II: GUITAR (1 Cr) (0:2)

This course consists of lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances. Additional fees are required.

Prerequisite: MUSC118 (Grade of C or higher)

Corequisite: MUSC111, MUSC131 or MUSC122

MUSC121

VOICE I (1 Cr) (0:2)

This course is the first in a sequence facilitating the development of vocal ability and emphasizes technical exercises, repertoire study, and performances before faculty and peers.

Lab Fee required

MUSC122

VOICE II (1 Cr) (0:2)

This course is the second in a sequence facilitating the development of vocal ability and emphasizes technical exercises, repertoire study, and performances before faculty and peers.

Prerequisite: MUSC121

Corequisite: MUSC111, MUSC135

Lab Fee required

MUSC123

APPLIED MUSIC I: VIOLIN (1 Cr) (0:2)

This course consists of level one violin lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: None

Corequisites: MUSC110, MUSC130 or MUSC121

MUSC124

APPLIED MUSIC II: VIOLIN (1 Cr) (0:2)

This course consists of level two violin lessons (to be arranged) on student's primary instrument.. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

COURSE DESCRIPTIONS

Prerequisite: MUSC123 (Grade of C or higher)

Corequisite: MUSC111, MUSC131 or MUSC122

MUSC125

APPLIED MUSIC I: BASS (1 Cr) (0:2)

This course consists of level one bass lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: None

Corequisites: MUSC110, MUSC130 or MUSC121

MUSC126

APPLIED MUSIC II: BASS (1 Cr) (0:2)

This course consists of level two bass lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: MUSC125 (Grade of C or higher)

Corequisite: MUSC111, MUSC131 or MUSC122

MUSC127

APPLIED MUSIC I: TRUMPET (1 Cr) (0:2)

This course consists of level one trumpet lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: None

Corequisites: MUSC110, MUSC130 or MUSC121

MUSC128

APPLIED MUSIC II: TRUMPET (1 Cr) (0:2)

This course consists of level two trumpet lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: MUSC127 (Grade of C or higher)

Corequisite: MUSC111, MUSC131 or MUSC122

MUSC130

PIANO I (1 Cr) (0:2)

This course is first in a sequence facilitating the development of keyboard skills and is required of all music students whose primary instrument is not piano. Students are required to complete additional simultaneously scheduled studio/lab time to meet the goals of the class.

Prerequisite: Music Majors or Permission of the Chair

Corequisite: MUSC110, MUSC134

Lab Fee required

MUSC131

PIANO II (1 Cr) (0:2)

This course is second in a sequence facilitating the development of keyboard skills and is required of all music students whose primary instrument is not piano. Students are required to complete additional simultaneously scheduled studio/lab time to meet the goals of the class.

Prerequisite: MUSC130, Music Majors

Corequisite: MUSC111, MUSC135

Lab Fee required

MUSC132

APPLIED MUSIC I: TUBA (1 Cr) (0:2)

This course consists of level one tuba lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: None

Corequisites: MUSC110 Introductory Music Theory, MUSC130 Piano I or MUSC121 Voice I

MUSC133

APPLIED MUSIC II: TUBA (1 Cr) (0:2)

This course consists of level two tuba lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: MUSC132 (Grade of C or higher)

Corequisite: MUSC111, MUSC131 or MUSC122

MUSC134

APPLIED MUSIC I (1 Cr) (0:2)

This course consists of lessons (to be arranged) on student's primary instrument or in voice. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Corequisite: MUSC110, MUSC121, MUSC130

Lab Fee Required

MUSC135

APPLIED MUSIC II (1 Cr) (0:2)

This course consists of level two lessons (to be arranged) on student's primary instrument or in voice. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: Music Majors Only

Corequisite: MUSC111, MUSC122, MUSC131

Lab Fee Required

MUSC136

APPLIED MUSIC III (1 Cr) (0:2)

This course consists of level three lessons (to be arranged) on student's primary instrument or in voice. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: Music Majors Only

Corequisite: MUSC214, MUSC225, MUSC230

Lab Fee Required

MUSC137

APPLIED MUSIC I: FLUTE (1 Cr) (0:2)

This course consists of level one flute lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: None

Corequisites: MUSC110, MUSC130 or MUSC121

COURSE DESCRIPTIONS

MUSC138

APPLIED MUSIC II: FLUTE (1 Cr) (0:2)

This course consists of level two flute lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: MUSC137 (Grade of C or higher)

Corequisite: MUSC111, MUSC131 or MUSC122

MUSC140

ELECTRONIC MUSIC II (3 Cr) (2:2)

This course is a continuation of Electronic Music I with increased application of sound systems and MIDI systems. Emphasis is to establish the concepts and command of sound production essentials. Students produce recorded final projects.

Prerequisite: MUSC110, MUSC115

Corequisite: MUSC111

Lab Fee required.

MUSC141

APPLIED MUSIC I: CLARINET (1 Cr) (0:2)

This course consists of level one clarinet lessons (to be arranged) on student's primary instrument.. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: None

Corequisites: MUSC110, MUSC130 or MUSC121

MUSC142

APPLIED MUSIC II: CLARINET (1 Cr) (0:2)

This course consists of level two clarinet lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: MUSC141 (Grade of C or higher)

Corequisite: MUSC111, MUSC131 or MUSC122

MUSC143

APPLIED MUSIC I: SAXOPHONE (1 Cr) (0:2)

This course consists of level one saxophone lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: None

Corequisites: MUSC110, MUSC130 or MUSC121

MUSC144

APPLIED MUSIC II: CLARINET (1 Cr) (0:2)

This course consists of level two clarinet lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: MUSC143 (Grade of C or higher)

Corequisite: MUSC111, MUSC131 or MUSC122

MUSC145

APPLIED MUSIC I: VOICE (1 Cr) (0:2)

This course consists of level one voice lessons. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: None

Corequisites: MUSC110, MUSC130 or MUSC121

MUSC146

APPLIED MUSIC II: VOICE (1 Cr) (0:2)

This course consists of level two voice lessons. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Additional fees are required.

Prerequisite: MUSC145 (Grade of C or higher)

Corequisite: MUSC111, MUSC131 or MUSC122

MUSC150

PIANO FUNDAMENTALS I (1 /Cr) (0:2)

This course is designed to introduce students to the fundamentals of piano playing. Keyboard experience is not required. Group activities focused on literacy and creativity in music through keyboard application. Topics include coordination of hands, ear training, sight reading, transposition, technique and improvisation.

Lab Fee required

MUSC151

PIANO FUNDAMENTALS II (1 Cr) (0:2)

This is the second in a series of piano classes. Group activities focused on literacy and creativity in music through keyboard application. Topics include coordination of hands, ear training, sight reading, transposition, technique and improvisation.

Prerequisite: MUSC150 (Grade of C or Higher)

Lab Fee required

MUSC152

PIANO FUNDAMENTALS III (1 Cr) (0:2)

This is the third in a series of piano classes. Group activities focused on literacy and creativity in music through keyboard application. Topics include coordination of hands, ear training, sight reading, transposition, technique and improvisation.

Prerequisite: MUSC151 (Grade of C or Higher)

Lab Fee required

MUSC155/ COMM155

LIVE SOUND PERFORMANCE (3 Cr) (2:2)

This course is designed to allow students an opportunity train in live sound support for public address set up and operations, live sound mixing for musical performances such as concerts, theatrical performances and special presentations requiring public address systems. Emphasis is on the theory and physical workings of a mixing console.

Lab Fee required

MUSC160

INTRODUCTION TO AURAL COMPREHENSION (1 Cr) (0:2)

This course is designed to develop musical ear training skills by engaging in singing, writing, progress demonstrations and utilizing computer-based work stations. Emphasis is on scales, rhythms, intervals and harmonic progressions.

COURSE DESCRIPTIONS

Lab Fee required

Prerequisite: Music Major or Permission of the Department Chair

Corequisite: MUSC110, MUSC121 or MUSC130, MUSC134

MUSC200

APPLIED MUSIC III: PIANO (1 Cr) (0:2)

This course consists of level three piano lessons (to be arranged) on student's primary instrument.. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC113 (Grade of C or higher)

Corequisite: MUSC214, MUSC230 or MUSC225

Lab fee is required.

MUSC201

APPLIED MUSIC III: DRUMS (1 Cr) (0:2)

This course consists of level three drums lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC117 (Grade of C or higher)

Corequisite: MUSC214, MUSC230 or MUSC225

Lab fee is required.

MUSC202

APPLIED MUSIC III: GUITAR (1 Cr) (0:2)

This course consists of level three guitar lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC119 (Grade of C or higher)

Corequisite: MUSC214, MUSC230 or MUSC225

Lab fee is required.

MUSC203

APPLIED MUSIC III: VIOLIN (1 Cr) (0:2)

This course consists of level three violin lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC124 (Grade of C or higher)

Corequisite: MUSC214, MUSC230 or MUSC225

Lab fee is required.

MUSC204

APPLIED MUSIC III: BASS (1 Cr) (0:2)

This course consists of level three bass lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC126 (Grade of C or higher)

Corequisite: MUSC214, MUSC 230 or MUSC 225

Lab fee is required.

MUSC205

APPLIED MUSIC III: TRUMPET (1Cr) (0:2)

This course consists of level three trumpet lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC128 (Grade of C or higher)

Corequisite: MUSC214, MUSC230 or MUSC225

Lab fee is required.

MUSC206

APPLIED MUSIC III: TUBA (1 Cr) (0:2)

This course consists of level three tuba lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC133 (Grade of C or higher)

Corequisite: MUSC214, MUSC230 or MUSC225

Lab fee is required.

MUSC207

APPLIED MUSIC III: FLUTE (1 Cr) (0:2)

This course consists of level three flute lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC138 (Grade of C or higher)

Corequisite: MUSC214, MUSC230 or MUSC225

Lab fee is required

MUSC208

APPLIED MUSIC III: CLARINET (1 Cr) (0:2)

This course consists of level three clarinet lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC142 (Grade of C or higher)

Corequisite: MUSC214, MUSC230 or MUSC225

Lab fee is required

MUSC209

APPLIED MUSIC III: SAXOPHONE (1 Cr) (0:2)

This course consists of level three saxophone lessons (to be arranged) on student's primary instrument. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC144 (Grade of C or higher)

Corequisite: MUSC214, MUSC230 or MUSC225

Lab fee is required

MUSC210

APPLIED MUSIC III: VOICE (1 Cr) (0:2)

This course consists of level three voice lessons. Students are expected to attend performance assemblies to meet the goals of the class and participate in public performances.

Prerequisite: MUSC146 (Grade of C or higher)

Corequisite: MUSC214, MUSC230 or MUSC225

Lab fee is required

MUSC214

MUSIC THEORY III (3 Cr) (2:2)

This course is a continued study of music theory, including: notation (reading and dictation), ear training, keyboard skills and basic harmony. Active class participation is required, and students must have regular access to a piano or keyboard.

Prerequisite: MUSC111

COURSE DESCRIPTIONS

Corequisite: MUSC225, MUSC230

Lab Fee required

MUSC215

MUSICAL THEATER PERFORMANCE I (3 Cr) (1:4)

The course is an exploration of musical theatre in a studio setting. Emphasis is on vocal methods and music, including vocal production, vocal technique, music reading and sight-singing. Students will prepare and present as soloists as well as members of small groups and larger ensembles. Students will study the work of the actor/singer/dancer and use their gained knowledge to develop as performers. Theater history and repertoire materials will be prepared for class presentation and critique. Students will experience an audition process either to perform in the college musical when offered, or in a showcase performance at the end of the semester.

Lab Fee required.

MUSC224

MUSICAL THEATER PERFORMANCE II (3 Cr) (1:4)

The course is the second level studio course in musical theater. Emphasis is on continued development of vocal methods and music, including vocal production, vocal technique, music reading and sight-singing. Students will prepare and present as soloists as well as members of small groups and larger ensembles. Students will study the work of the actor/singer/dancer and use their gained knowledge to develop as performers. Theater history and repertoire materials will be prepared for class presentation and critique. Students will experience an audition process either to perform in the college musical when offered, or in a showcase performance at the end of the semester. Lab Fee required.

Prerequisite: MUSC 215

MUSC225

VOICE III (1 Cr) (0:2)

This course is the third in a sequence facilitating the development of vocal ability and emphasizes technical exercises, repertoire study, and performances before faculty and peers.

Prerequisite: MUSC122

Corequisite: MUSC136, MUSC214

Lab Fee required

MUSC230

PIANO III (1 Cr) (0:2)

This course is third in a sequence facilitating the development of keyboard skills and is required of all music students whose primary instrument is not piano. Students are required to complete additional simultaneously scheduled studio/lab time to meet the goals of the class.

Prerequisite: MUSC131, Music Major

Corequisite: MUSC136, MUSC214

Lab Fee required

MUSC245

ELECTRONIC MUSIC III (3 Cr) (2:2)

This course is designed to allow students an opportunity to pursue a topic advanced in nature and solves difficult technical and artistic issues. Emphasis is on establishing and enhancing technical ability and knowledge of concepts to meet the requirements and demands of a professional within the field of electronic music.

Prerequisite: MUSC140

SUSSEX COUNTY COMMUNITY COLLEGE CATALOG 2020-2021

Corequisite: MUSC214

Lab Fee required

MUSC250

SPECIAL TOPICS IN MUSIC

This course focuses on selected topics in Music. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Nursing-In conjunction w/Passaic County Community College

OSTE244

MEDICAL TERMINOLOGY I (3 Cr) (3:0)

This course is an introduction to the world of medicine through a system of building thousands of medical terms. It begins the study of the fascinating terminology used in this critical, high-tech and stimulating world. This course is designed for anyone who wishes to learn medical terminology

OSTE246

MEDICAL TERMINOLOGY II (3 Cr) (3:0)

This course continues the building of thousands of medical terms via its specialized fields and anatomical systems. Because of the continual growth and advances in the medical field, thousands of words are constantly being added to the dictionary annually; thus, contributing significantly to the progress of medicine and its terminology. This course is designed for anyone interested in the world of medicine or anyone pursuing the medical transcription certificate.

Prerequisite: OSTE244

Optics

OPTC101

FUNDAMENTALS OF OPTICS I (3Cr) (3:0)

This course is an introduction to the optics and photonics industry with a focus on utilizing optical technology in devices and scientific research. Exploration into the history of optics provides context for how the study of light has reached the forefront of technological and scientific discovery. Students study terminology and the physical concepts necessary to understand how light is created, manipulated, and measured with the goal of constructing a foundation from which to delve further into the optics industry.

Prerequisite: Proficiency in Basic English writing, Basic Math, and Algebra.

OPTC107

STANDARDS OF OPTICS (3 Cr) (3:0)

This course is designed for students to learn military specification/ISO formats and how they are utilized in the industry. Students assess safety protocols relevant to the industry, future laboratories and how to properly format and complete inspection reports.

Prerequisite: Proficiency in Basic English writing, Basic Math, and Algebra.

OPTC112

MEASUREMENT AND ANALYSIS I (3 Cr) (2:2)

This course introduces students to the fundamentals of metrology theory, error analysis and observation bias. Students analyze technical drawings and use basic metrology tools to evaluate a variety of optics in a lab setting. Lab fee required.

Prerequisite: Proficiency in Basic English writing, Basic Math, and Algebra.

COURSE DESCRIPTIONS

OPTC121

RAY OPTICS (3 Cr) (2:2)

This course is an introduction to describing light and characterizing optical elements with an emphasis on the ray nature of light. Elements such as lenses, mirrors, and prisms are covered to enable planning, evaluation, and execution of optical setups. In a lab setting, ray tracing is used to analyze optical systems, leading to the discovery of where images are formed, determination of their magnification and orientation, as well as what types of aberrations can affect the image. Lab fee required.

Prerequisite: Proficiency in Basic English writing, Basic Math, and Algebra.

OPTC140

CONVENTIONAL OPTICS MANUFACTURING I (3 Cr) (1:4)

This course provides students the opportunity to learn how to process glass from its raw state to finished precision optics using conventional methods. In a lab setting, students learn proper techniques to create optics using conventional technology. Lab fee required.

Co-requisite: OPTC107 Standards of Optics, OPTC112 Measurement and Analysis I

OPTC210

MEASUREMENT AND ANALYSIS II (3 Cr) (1:4)

This course is a continuation of Measurement and Analysis I where the concepts will be applied to advanced systems in a lab setting. Students interpret and apply results from fizeau interferometers, white light interferometers, spectrophotometers, profilometers and digital spherometers. Students outline a comprehensive inspection plan based on technical drawings. Lab fee required.

Prerequisite: OPTC101 Fundamentals of Optics I, OPTC107 Standards of Optics, OPTC112 Measurement and Analysis I

OPTC217

OPTICAL MATERIALS I (3 Cr) (3:0)

This course allows students to learn the fundamentals of optical materials, various techniques of optical coating deposition, and relevant metrology processes. Students analyze environmental conditions.

Prerequisite: OPTC101 Fundamentals of Optics, OPTC112 Measurement and Analysis I

OPTC225

CNC OPTICS MANUFACTURING I (3 Cr) (1:4)

This course allows students to work hands-on with the latest CNC technologies, tools, and methods. Students study the ways and means to create precision spherical elements in a lab setting using CNC machines. Lab fee required.

Co-requisite: OPTC107 Standards of Optics, OPTC112 Measurement and Analysis I (maybe taken concurrently)

OPTC231

FUNDAMENTALS OF OPTICS II (3 Cr) (2:2)

This course is a continuation of Fundamentals of Optics I. Students explore the wave and quantum nature of light and how these concepts are utilized during design, manufacture, and measurement of optical elements and optical systems. In a lab setting, interference, diffraction, and polarization are covered through experimentation and demonstration, with the goal of providing a basic understanding of how various optical devices operate in order for students to critically examine measurement results. Progressively more complex optical elements such

as polarizers, wave plates, diffraction gratings, and thin film coatings are also covered. Lab fee required.

Prerequisite: OPTC101 Fundamentals of Optics I, OPTC112 Measurement and Analysis I, OPTC210 Measurement and Analysis II, OPTC217 Optical Materials I

OPTC240

CONVENTIONAL OPTICS MANUFACTURING II (3 Cr) (1:4)

This course allows students to learn how to transform unprocessed glass into a finished precision optic using planetary, continuous, and double sided polishers in a lab setting. Students build upon the learned skills from Conventional Optics Manufacturing I to manufacture optics to laser grade quality. Lab fee required.

Prerequisite OPTC140 Conventional Optics Manufacturing I

OPTC247

CNC OPTICS MANUFACTURING II (3 Cr) (1:4)

This course builds upon the concepts from CNC Optics Manufacturing I. Students explore how to correct optical surfaces using metrology data and advanced CNC software. Advanced optical CNC procedures are covered. Students practice precision aspheric lenses in a lab setting. Lab fee required.

Prerequisite: OPTC225 CNC Optics Manufacturing I

OPTC255

ADVANCED OPTICAL SYSTEMS (3 Cr) (2:2)

This course combines applications, metrology, alignment, and optical assemblies. Students conduct practical laboratory experiments and advanced metrology in a lab setting with the goal of reinforcing knowledge gained from previous courses. Alignment of single- and multi-element optical systems are covered, as well as various techniques for cementing and mechanically mounting lenses. Throughout the course, real world problems and scenarios are presented, giving the student a true experience in what is expected of them when working in the optical industry. Lab fee required.

Prerequisite: OPTC121 Ray Optics, OPTC217 Optical Materials I

Philosophy

PHIL110

PHILOSOPHY AND THE MEANING OF LIFE (3 Cr) (3:0)

This course is an introduction to philosophical analysis through an examination of the recurring issue of philosophy and the meaning of life. Topics of discussion will include: nature and methodology of philosophy, reality, existence of God, human freedom, and the value of existence.

PHIL201

COMPARATIVE RELIGIONS (3 Cr) (3:0)

This course introduces students to religions of the world and fosters mutual respect and interreligious understanding. Topics include Buddhism (including Zen), Christianity, Hinduism, Islam, Jainism, Judaism, Shintoism and Taoism.

PHIL203

HISTORY OF MODERN PHILOSOPHY (3 Cr) (3:0)

Introduction to modern philosophy from the Renaissance to present. Study of ideas of Descartes, Spinoza, Leibniz; empiricism of Locke, Berkeley, Hume; idealism of Kant, Hegel and others.

COURSE DESCRIPTIONS

PHIL205

CONTEMPORARY ETHICAL ISSUES (3 Cr) (3:0)

This course is an introduction to the study of moral theories and their justification, including an examination of contemporary moral concerns as test cases.

PHIL250

SPECIAL TOPICS IN PHILOSOPHY

This course focuses on selected topics in Philosophy. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Photography

PHOT109

INTRODUCTION TO PHOTOGRAPHY (3 Cr) (2:2)

This course introduces students to the basic concepts of photography through the use and understanding of their digital SLR camera and photo imaging software. Among topics to be covered are exposure control, composition, lighting, lenses, effects of color on photographs, depth of field, and perspective control. Post processing topics include creating a contact sheet, cropping, adjusting print exposure, outputting to web or print media, and selective exposure control. Student must provide their own DSLR (Digital Single Lens Reflex) camera.

Lab Fee required

PHOT110

PHOTOGRAPHY I (3 Cr) (2:2) + Studio 1 hr.

This photography course is designed for the beginning student of black and white film photography. Students are introduced to the basic technical skills required to record images on film and print them in a darkroom. Critiques, study of influential photographers, trips to museums and galleries, guide students in understanding the aesthetic implications of their technical decisions in this medium. Students must provide a 35-mm camera with manual settings and additional materials. A departmental final will be administered.

Prerequisite: PHOT109 or permission of Program Coordinator

Lab Fee required

PHOT112

PHOTOGRAPHY II (3 Cr) (1:4)

This course prepares students to graduate with a professional portfolio of work for gallery representation or transfer. Students select and sequence their work, remake photographs as necessary, and mat work for a public portfolio presentation to faculty and peers. Students create a concise artist's statement and a finished portfolio of fine art photography.

Lab Fee Required

PHOT120

HISTORY OF PHOTOGRAPHY (3 Cr) (3:0)

This course is an historical survey of fine art photography from the camera obscura to 21st century digital techniques. The course will emphasize the aesthetics, applications, and social impact of photography on our culture; this course will include the relationship of photography to other visual art forms.

PHOT135/ ARTA135

ALTERNATIVE PROCESSES IN PHOTOGRAPHY

(3 Cr) (2:2) + 1 lab hour

This course introduces art and/or photography students to hand coated photographic processes that may include cyanotype, gum bichromate, vandyke printing as well as experimental methods allowing for artistic expression. Methods for the

production of enlarged duplicate negatives will be covered. Art and painting students will be challenged to explore the various expressive methods using film as a point of departure.

Lab Fee required

PHOT203

DOCUMENTARY/PHOTOJOURNALISM (3 Cr) (1:4)

This course explores the similarities of Documentary Photography and Photojournalism in two modules by combining emotional content with factual reportage. Balancing aesthetic content and form with information to produce meaningful documentary work, students learn to build coherent, intelligent, and emotive content relying on instinct and impulse to photograph events. Students learn to identify the consistencies of theme and structure in their work. Classes will include discussions on researching, shooting, editing and sequencing, critiques, and assignments. Students will be assigned approximately twelve documentary/photojournalism assignments. Students will gain proficiency in producing high quality photographic images for newspapers, magazines, and digital publications.

Prerequisite: PHOT109 or PHOT110 or permission of instructor

PHOT205

STUDIO PHOTOGRAPHY (3 Cr) (2:2) +1 lab hr.

This course enables students to practice lighting and styling using a 4x5 format camera, achieving mastery of camera movements and control of perspective and sharpness with both 4x5 and digital imaging. Assignments relate to fine art photography, portraits, and still life as well as to commercial applications. Film and SLR digital cameras are required, 4x5 camera provided by the lab.

Prerequisite: PHOT110

Lab Fee required

PHOT240

DIGITAL PHOTOGRAPHY II (3 Cr) (1:4)

This course explores digital photography and the digital manipulation of original photographs by concentrating on specific projects in the studio. These projects include photo montages, high dynamic range (HDR) photographs, depth of field mapping, selective exposure control in post processing, and blending options to extend the range of traditional photographs. OFFERED IN SPRING ONLY.

Prerequisite: PHOT109

Lab Fee required

PHOT250

SPECIAL TOPICS IN PHOTOGRAPHY

This course focuses on selected topics in Photography. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester.

PHOT260

PORTFOLIO DEVELOPMENT FOR PHOTOGRAPHERS/CAPSTONE FOR PHOTOGRAPHY (3 Cr) (1:4)

This course prepares students to graduate with a professional portfolio of work for gallery representation or transfer. Students select and sequence their work, remake photographs as necessary, and mat work for a public portfolio presentation to faculty and peers. Students create a concise artist's statement and a finished portfolio of fine art photography.

Lab fee required.

COURSE DESCRIPTIONS

PHOT261

PHOTOGRAPHY INTERNSHIP (3 Cr) (0:9)

This course is designed for Photography majors who have demonstrated advanced skill levels and for those who have potential to perform professionally in a work environment. Internships include practical work experience in an on or off campus business or project (i.e. professional or commercial freelance photography studios, graphic design businesses, or corporate art departments). Students are required to complete 36 hours in the field.

Prerequisite: PHOT109, PHOT110, and PHOT205

Lab Fee required

Physics

PHYS100

CONCEPTS OF PHYSICS (4 Cr) (3:3)

This course will introduce the student to the basic concepts of Physics. Topics include kinematics and dynamics, principles of conservation of energy, heat and selected topics in electricity, magnetism and modern physics.

Prerequisite: Proficiency on the College Placement Test

PHYS105

INTRODUCTORY ASTRONOMY (4 Cr) (3:3)

This course provides an introduction to descriptive space science covering the historical development of astronomy and planetology. Basic physical laws are introduced to help explain the tools used in the investigation of solar systems. Appropriate laboratory experiences are provided.

Prerequisites: MATH106 or higher, or Permission of Instructor

PHYS107

INTRODUCTORY METEOROLOGY (4 Cr) (3:3)

This introductory course consists of five areas of concentration—atmospheric components; weather systems; upper air dynamics; satellite and radar interpretation of severe and weather elements; a review of historical weather events and their social and geographical effects; systems examined include hurricanes; severe thunderstorms and the mesosyclone; forms of precipitation; hourly observations; cloud identification; interpretation NCEP/NOAH data for forecast modeling data.

Lab Fee required

PHYS108

THE PHYSICS AND TECHNOLOGY OF CLEAN ENERGY (4 Cr) (3:3)

This course is designed to explore the approaches to energy that are more sustainable for the earth and its people. Students will learn the design and specific uses of appropriate clean energy systems. Topics include energy, electricity, biofuels, wind energy, hydroelectric power, solar power, connection to the grid and the human and environmental effects of energy use. Lab exercises and field trips will supplement the theory presented.

Prerequisite: MATH017 or MATH023 or Proficiency on the College Placement Test

Lab Fee required

PHYS110

PHYSICS I (4 Cr) (3:3)

This course is designed to introduce students to problem-solving techniques in physics. Topics include forces, energy, mechanics, momentum, heat, and kinetic theory. Includes applications to the life sciences and everyday life.

Prerequisite: MATH112 (Grade of C)

Lab Fee required

PHYS112

PHYSICS II (4 Cr) (3:3)

This course is a continuation of Physics I. Emphasis is placed on showing the connections found in electromagnetism, optics, and modern physics. Includes applications to the life sciences and everyday life.

Prerequisite: PHYS10I (Grade of C)

Lab Fee required

PHYS120

PHYSICS I WITH CALCULUS (4 Cr) (3:3)

This course will introduce the student to problem solving and laboratory techniques in calculus based physics. Topics include vectors, forces, mechanics, kinematics, fluids, thermodynamics, and waves.

Prerequisite: MATH113, MATH114 (MATH114 may be taken concurrently)

Lab Fee required

PHYS121

PHYSICS II WITH CALCULUS (4 Cr) (3:3)

This course is a continuation of Physics I with Calculus. Topics include electromagnetism, circuits, electromagnetic waves, optics, and relativity.

Corequisite: MATH213 (Grade of C)

Prerequisite: PHYS120 (Grade of C)

Lab Fee required

PHYS205

MODERN PHYSICS (4 Cr) (3:3)

This course covers the modern era of Physical Science from Relativity, quantum properties, Schrodinger's equation, and their applications. It begins where PHYS121 ends (with Optical Systems) and finishes the student's introduction to basic Physics concepts.

Corequisite: MATH213, MATH215

Prerequisite: PHYS121

Lab Fee Required

PHYS210/ENGR210

MECHANICS (4 Cr) (4:0)

This course studies the equilibrium of particles and rigid bodies subject to concentrated and distributed Newtonian forces. These studies are also applied to particles; rectilinear motion; simple, damped, and driven oscillations; gravitation and central forces; Lagrange's equations and the Hamiltonian.

Corequisite: MATH220

Prerequisite: PHYS120 (Grade of C)

PHYS250

SPECIAL TOPICS IN PHYSICS

This course focuses on special topics in Physics. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Political Science

POLS101

INTRODUCTION TO POLITICAL SCIENCE (3 Cr) (3:0)

This course provides a general introduction to the discipline of

COURSE DESCRIPTIONS

political science. The course focuses on the major sub-disciplines of political science including practical theory, international relations, comparative politics, and identity politics. The course is designed to encourage active student participation in the political process.

POLS105

AMERICAN GOVERNMENT (3 Cr) (3:0)

This course provides a general introduction to the study of the American Political System. This course focuses on the U.S. Constitutional System, the institutions of government, and means of popular participation. The course is designed to encourage active student participation in the political process.

POLS106

STATE AND LOCAL GOVERNMENT (3 Cr) (3:0)

This course provides a general introduction to the study of sub-national governments within the American political system. The course is designed to encourage active student participation in the political process.

POLS109

MODERN POLITICAL IDEOLOGIES (3 Cr) (3:0)

This course provides a general introduction to the study of political ideologies. Students will compare and contrast various forms of political thinking over the past five centuries. In addition, the material covered in this course will be placed into historical context by discussing the political, economic and social and social impact of the actual practice of these various theories.

POLS110

INTERNATIONAL RELATIONS (3 Cr) (3:0)

This course is a study of world politics: the nation-state system, patterns of conflict and cooperation in the international arena and the theories that try to explain these behaviors. International organizations (e.g. monetary fund, the United Nations, etc.), international business and selected foreign policies of particular nation-states will be among the topics included.

POLS111/LEGA100

INTRO TO THE AMERICAN LEGAL SYSTEM (3 Cr) (3:0)

This course is an introduction to the fundamental principles of the American Legal System. Topics include the structure of the state and federal court systems, legal terminology, constitutional law decisions affecting every citizen and how to work within the system. Students will visit the Superior Court.

POLS223/CRJS223/LEGA223

CONSTITUTIONAL LAW (3 Cr) (3:0)

This course will examine the U.S. Constitution as the framework for government. Leading decisions of the U.S. Supreme Court will be analyzed in the areas of Civil Rights and Civil Liberties with emphasis on the Bill of Rights, the 13th, 14th and 15th amendments.

POLS250

SPECIAL TOPICS IN POLITICAL SCIENCE

This course focuses on special topics in Political Science. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Psychology

PSYC100

LEARNING STRATEGIES SEMINAR (1 Cr) (1:0)

This course is a seminar designed to assist students in their

learning process. Topics include note taking, time management, textbook mastery, and strategies for taking essay and objective tests.

PSYC101

INTRODUCTION TO PSYCHOLOGY (3 Cr) (3:0)

This course is an introduction to the science of human behavior and mental processes. Emphasis is placed on the relationship between the nervous system and behavior, learning, perception, development, motivation, personality, attitude formation and prejudice, psychopathology and psychotherapy.

Prerequisite: Proficient in all Developmental English Courses

PSYC105

PSYCHOLOGY OF HUMAN RELATIONS (3 Cr) (3:0)

This course focuses on developing skills necessary to maintain and enhance adult relationships. Emphasis is placed on the transactional nature of interactions and the communication techniques needed to achieve intrapersonal and interpersonal satisfaction. Topics include verbal and nonverbal behaviors, perception, listening, emotions, conflict, power, and sexual communication in intimate relationships.

PSYC109

PSYCHOLOGY OF THE HUMAN LIFE SPAN (3 Cr) (3:0)

This course is the study of the development of the individual from prenatal life through adulthood including biological, mental, emotional, and social patterns of growth.

PSYC111

CHILD PSYCHOLOGY (3 Cr) (3:0)

This course studies human behavior from prenatal development to puberty. Emphasis is placed upon physical, social, intellectual and personality development during childhood.

Prerequisite: PSYC101

PSYC201

ABNORMAL PSYCHOLOGY (3 Cr) (3:0)

This course is an introduction to the study of symptoms' etiologies and treatments of mental disorders. Emphasis is placed on understanding psychopathology from the psychoanalytic, behavioristic and humanistic viewpoints.

Prerequisite: PSYC101

PSYC203

THEORIES OF PERSONALITY (3 Cr) (3:0)

This course is a survey of the major theoretical viewpoints concerning the development and maintenance of personality. Psychoanalytic, trait, behavioristic, and humanistic theories will be covered. Emphasis is placed on current research on personality factors.

Prerequisite: PSYC101

PSYC204

THEORY AND PRACTICE OF PSYCHOLOGICAL COUNSELING (3 Cr) (3:0)

This course will provide an introduction to counseling theory and practice with an emphasis on the principles of the counseling process including the APA Code of Ethics, methods, assessment, diagnostic categories, client change, and empathy. The learning experience will include individual and/or group projects.

Prerequisite: PSYC101 and either PSYC201 or PSYC203

PSYC205

PSYCHOLOGY OF GENDER (3 Cr) (3:0)

This course examines issues of gender in human development,

COURSE DESCRIPTIONS

psychopathology, family structure and social structure. The construction and maintenance of gender is explored from varied theoretical perspectives, including psychoanalytic, ecological, behavioral and object relations theory.

Prerequisite: PSYC101

PSYC208

BUSINESS PSYCHOLOGY (3 Cr) (3:0)

This course will explore how psychological theory and research are applied to the science and practice of Business Psychology. Psychological theory and research will be used to understand workplace issues including communication, interpersonal dynamics, team-building, job satisfaction, leadership styles, professional development, consumer/customer relations and human resource management.

Prerequisite: PSYC101

PSYC210

SOCIAL PSYCHOLOGY (3 Cr) (3:0)

This course provides an introduction to social psychological theory, research and application. Topics covered include attitude formation and change, social influences/processes, social cognition, moral development, interpersonal attraction, aggression, prejudice, and political psychology.

Prerequisite: PSYC101

PSYC212

ADOLESCENT PSYCHOLOGY (3 Cr) (3:0)

This course studies human behavior from puberty to early adulthood. Emphasis is placed on various theoretical approaches to understanding adolescence.

Prerequisite: PSYC101

PSYC215

PSYCHOLOGY OF ADULT DEVELOPMENT AND AGING (3 Cr) (3:0)

This course involves an investigation of the theory and research involved in the study of the psychology of aging. Particular attention is focused on role and identity changes, personality changes, intelligence, sexuality, the psychosocial aspects of retirement, and death and dying.

Prerequisite: PSYC101

PSYC220

PSYCHOLOGY OF HUMAN SEXUALITY (3 Cr) (3:0)

This course focuses on the physiological and psychological factors involved in human sexuality. Emphasis is placed on the impact of cultural forces and interpersonal factors in the development of sexual identity.

Prerequisite: PSYC101

PSYC222/MATH222

STATISTICS AND RESEARCH METHODS IN PSYCHOLOGY (4 Cr) (3:2 SPSS)

This course is designed for psychology majors in preparation for further studies in psychology at

the 4-year college level. Psychology students will become acquainted with the history of research methods in psychology and ethical considerations in both animal and human behavioral research, while focusing on the use of quantitative research methods and statistics in psychological research. Students will utilize the Statistical Package for the Social Sciences

Prerequisite: PSYC101 and Proficiency on Math Placement Test

Lab Fee required

PSYC232

DRUGS, BEHAVIOR, AND MODERN SOCIETY (3 Cr) (3:0)

This course will have a strong emphasis on prevention and education; the psychological, sociological, and health perspective. This includes the study of therapeutic and recreational uses of psychoactive drugs, such as alcohol, nicotine, and caffeine. Emphasis will be on modes of action, behavioral effects, psychological/societal aspects of abuse and dependence, and intervention processes in addiction.

Prerequisite: PSYC101

PSYC237

MULTICULTURAL PSYCHOLOGY (3 Cr) (3:0)

This course introduces students to major theoretical perspectives on the experience and social construction of cultural difference. Drawing on theories from social, clinical, developmental and cognitive psychology, the course provides students with a foundation for understanding the origins and maintenance of various cultures within the United States, while also including global cultural comparisons.

Prerequisite: PSYC101

PSYC250

SPECIAL TOPICS IN PSYCHOLOGY

This course focuses on selected topics in Psychology. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester.

PSYC280

EDUCATIONAL PSYCHOLOGY (3 Cr) (3:0)

This course explores the application of psychological principles to the educational environment. Theories of learning, memory, cognition, and behavior management are used to help the student who is a prospective teacher find an optimal instructional approach.

Prerequisite: PSYC101

Robotics

ROBT215

Robotics Enabling Technologies (1:4) 3 credits

This course covers the theory of operation of transducers, sensors, and data acquisition devices and techniques. Microprocessor-based control of actuators such as stepper motors, dc motors, hydraulic actuators and "muscle wire" as applied to robotics applications is presented. Physical operation of sensors, computer/transducer interfacing techniques, and processing of acquired data is analyzed, as well as the use of that data in the control of external actuators.

Lab Fee Required.

Co-requisite ELET200

ROBT220

Integration of Robotics System (1:6) 4 credits

This course integrates the student's understanding of electro-mechanical systems. The student will design, build, and program a robot to perform a designated task agreed to by both the instructor and the student.

Lab Fee Required

Prerequisite ELET200

Co-requisite ROBT215

COURSE DESCRIPTIONS

Russian

RUSS101

ELEMENTARY RUSSIAN I (3 Cr) (3:0)

This is an introductory course in Russian emphasizing the fundamentals of speaking, reading, writing, and listening. The course focuses on building basic vocabulary and introducing students to the Russian culture. It is designed for students with no Russian experience.

RUSS102

ELEMENTARY RUSSIAN II (3 Cr) (3:0)

This course is a continuation of RUSS101 with an emphasis on the fundamentals of speaking, reading, writing, and listening. The course focuses on building basic vocabulary and continuing the study of Russian culture.

Prerequisite: RUSS101 (Grade of C) or two years of high school Russian (Grade of C)

RUSS250

SPECIAL TOPICS IN RUSSIAN

This course focuses on special topics in Russian. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

Sociology

SOCA101

INTRODUCTION TO SOCIOLOGY (3 Cr) (3:0)

This course is an introduction to the analysis and description of structures and dynamics of human society. Emphasis is placed on the application of scientific methods of observation and analysis of social groups, intergroup relations, social change, social stratification, and social institutions.

SOCA115

INTRODUCTION TO SOCIETY & ENVIRONMENT (3 Cr) (3:0)

This course is the study of the complex and various ways people interact with the environment. This course provides an examination of how people's actions have, usually unforeseen, environmental consequences. This course will be offered during the spring semester.

SOCA150

CONTEMPORARY SOCIAL ISSUES (3 Cr) (3:0)

This course will focus on a limited number of controversial and/or problematic social issues. Readings and discussions will center on the major sociological perspective on these bases, including functionalist, conflict and interactionist viewpoints.

Prerequisite: SOCA101

SOCA201

DEVIANT BEHAVIOR (3 Cr) (3:0)

This course is the study of how social structures deal with deviants and the adaptive behavior of those identified as deviant. The course emphasizes the importance of the role which persons in political power or those who enforce the law play in the labeling of acts and actors as deviant.

Prerequisite: SOCA101

SOCA202

THE SOCIOLOGY OF SPORTS (3 Cr) (3:0)

Students will analyze the impact of sports on society. Students will focus specifically on how the social institution of sports reinforces race, class, and gender arrangements in the United

States and how sports act as a key socializing agent of children.

Prerequisite: SOCA101 or SOCA150

SOCA203

SOCIAL RESEARCH METHODS (3 Cr) (3:0)

This course will teach students to apply the scientific method to the social world. Students will focus on the most widely used methods including ethnography, survey, and experimental designs and carry-out their own research projects. Students will also examine a number of ethical issues in conducting social research.

Prerequisite: SOCA101 or SOCA150 or SOCA115 or ANTH101 or ANTH120 or ANTH131 or POLS101 or POLS105 or POLS106 or POLS109 or PSYC101 or PSYC105 or PSYC106 or PSYC109 or PSYC110 or PSYC111 or PSYC212 or PSYC215

SOCA207

SOCIOLOGY OF RELIGION (3 Cr) (3:0)

The aim of this course is to critically analyze the relationship between religion and other social institutions such as the family, school, polity, and economy. Emphasis will be placed on how society uses the conceptualization of the sacred and profane to organize everyday life. Attention will also be given to current debates regarding religion's place in modern American society and international relations.

Prerequisite: SOCA101 or SOCA150

SOCA208

SOCIOLOGY OF THE FAMILY (3 Cr) (3:0)

Analysis of families in various cultures, with in-depth study of the contemporary United States including historical development and future trends. Topics discussed are romantic love, courtship, marital interaction, divorce, gender roles, and the feminist movement. Special attention is given to the post-modern family.

Prerequisite: SOCA101

SOCA215

PERSPECTIVES ON RACE, GENDER, CLASS AND CULTURE (3 Cr) (3:0)

This course explores the effects of social structure and of dominant and sub-cultural norms and values on individuals, families and groups. Racism, sexism, homophobia, ageism, class bias and rigid gender roles are examined in depth with focus on the effects of advanced industrial capitalism on these phenomena.

Prerequisite: SOCA101

SOCA250

SPECIAL TOPICS IN SOCIOLOGY

This course focuses on selected topics in sociology. Since topics may change each time the course is offered, students should consult the course offering schedule each semester.

Spanish

SPAN101

ELEMENTARY SPANISH I (3 Cr) (3:0)

This is an introductory course in Spanish emphasizing the fundamentals of speaking, reading, writing, and listening. The course focuses on building basic vocabulary and introducing students to the Hispanic culture. It is designed for students with no Spanish experience.

COURSE DESCRIPTIONS

SPAN102

ELEMENTARY SPANISH II (3 Cr) (3:0)

This course is a continuation of SPAN101 with an emphasis on the fundamentals of reading, speaking, writing, and listening. The course focuses on building basic vocabulary and continuing the study of Hispanic culture.

Prerequisite: SPAN101 (Grade of C) or two years of high school Spanish (Grade of C)

SPAN120

ELEMENTARY SPANISH I GRAMMAR REVIEW (1 Cr) (1:0)

This course is a review of the major points of Elementary Spanish I grammar. Focus is on formal structure of Spanish. This course is designed to prepare students for Elementary Spanish II.

Prerequisite: 2 years of High School Spanish

SPAN201

INTERMEDIATE SPANISH I (3 Cr) (3:0)

This course is a continuation of SPAN102, developing skills in speaking, reading, writing, and listening at the intermediate level.

Prerequisite: SPAN102 (Grade of C) or three years of high school Spanish (Grade of C) or its equivalent.

SPAN202

INTERMEDIATE SPANISH II (3 Cr) (3:0)

This course is a continuation of SPAN201 developing skills in speaking, reading, writing, and listening at the intermediate level.

Prerequisite: SPAN201 (Grade of C) or Permission of Instructor.

SPAN220

SPANISH CONVERSATION AND COMPOSITION (3 Cr) (3:0)

This course further develops students' understanding and use of Spanish by clarifying points of grammar and vocabulary. Intensive practice in writing on different levels of usage and style, combined with guided oral practice will be emphasized.

SPAN250

SPECIAL TOPICS IN SPANISH

This course focuses on selected topics in Spanish. This course will provide an opportunity to expand the modern language offerings into the areas of history, literature, and civilization.

Supply Chain Management

SCMG101

PRINCIPLES OF SUPPLY CHAIN MANAGEMENT (3 Cr.) (3:0)

The course surveys the basic concepts of Supply Chain to give students an understanding of the breadth and scope of Supply Chain in the overall business climate. Students explore a comprehensive overview of business and the inter-relationships/inter-dependence of the various business elements.

Corequisite: BUSA101 Introduction to Business

SCMG105

PURCHASING MANAGEMENT PRINCIPLES (3 Cr.) (3:0)

This course is designed to cover relevant issues including: sourcing, planning, supplier selection, auditing suppliers, bid packages, and competitive bidding. Students are encouraged to develop critical skills required to identify, implement, and manage in order to reduce the total cost of materials (total cost

of ownership). Student will explore alternatives to inventory ownership such as supplier consigned, vendor managed inventories and how to articulate these alternatives to senior management.

Corequisite/Prerequisite: BUSA101 Introduction to Business/SCMG101 Principles of Supply Chain Management

SCMG110

INVENTORY MANAGEMENT (3 Cr.) (3:0)

This course provides an overview of managing inventory within the constantly evolving supply chain environment. Students will explore essentials and strategies for successful inventory management including planning, storing, moving, and accounting for inventory.

Prerequisite: SCMG101 Principles of Supply Chain Management

SCMG115

SHIPPING, RECEIVING AND LOGISTICS (3 Cr.) (3:0)

The course introduces students to best practices in the shipping and receiving function. Topics include: contracting carriers, damaged claims handling, brokers, software, and basic legal procedures.

Prerequisite: SCMG101 Principles of Supply Chain Management

SCMG215

WAREHOUSING DISTRIBUTION (3 Cr.) (3:0)

The course content surveys the concepts and theories that drive the effective management of an organization's warehousing and distribution systems. Student will explore functions of a warehouse including design, layout and flow. Particular attention is paid to stock location methodology, inventory record accuracy, problem resolution, and inventory reconciliation.

Prerequisite: SCMG101 Principles of Supply Chain Management

SCMG225

KEY PERFORMANCE INDICATORS AND BENCHMARKING (2 Cr.) (2:0)

The course examines the best practices in the use Key Performance Indicators, Benchmarks, and Dashboards in various industries. The course surveys the need for these functions as well as how to select the functions to be monitored and measured.

Prerequisite: SCMG101 Principles of Supply Chain Management

Theater Arts

THEA102

ACTING I (3 Cr) (3:0)

This is a course that offers an in depth study of character portrayal and scene development with a focus on improving the skills required to perform a role from a script or from improvisation. This course requires student collaboration and attendance at local professional theater productions at an additional cost to the student.

THEA103

ACTING II (3 Cr) 3:0)

This course is a continuation of Acting I with an emphasis on theory and practice, including class and public performance. This course requires student collaboration and attendance at professional theater productions at an additional cost to the student.

Prerequisite: THEA101

COURSE DESCRIPTIONS

THEA106

ADVANCED ACTING I (3 Cr) (3:0)

This is a course that offers an in depth study of character portrayal and scene development with a focus on improving the skills required to perform a role from a script or from improvisation. This course requires student collaboration and attendance at professional theater productions at an additional cost to the student.

Prerequisite: THEA103

THEA107

ADVANCED ACTING II (3 Cr) 3:0

This course is a continuation of Advanced Acting I with an emphasis on theory and practice, including class and public performance. This course requires student collaboration and attendance at professional theater productions at an additional cost to the student.

Prerequisite: THEA103 or other acting class experience

THEA110

THEATER WORKSHOP I (3 Cr) (1:6)

This course is a practical study of theatrical production by intensive script study and supervised technical projects which culminate in performances for live audiences. Students work as cast or production staff and receive periodic evaluation. This course requires student collaboration and attendance at professional theater productions at an additional cost to the student.

THEA111

THEATER WORKSHOP II (3 Cr) (1:6)

This course is a continuation of Theater Workshop I with emphasis on study of theatrical production by intensive script study and supervised technical projects which culminate in performances for live audiences. Students work as cast or production staff and receive periodic evaluation. This course requires student collaboration and attendance at professional theater productions at an additional cost to the student.

Prerequisite: THEA110

THEA115

INTRODUCTION TO TECHNICAL THEATER (3 Cr) (1:6)

This course offers students the opportunity to receive real life experiences in technical theater production. During this course, students will be required, in a real production setting, to perform duties such as sound/light board operators, projectionist technical director, stage manager, curtain/fly rail operator, and general technical crew for load-ins/outs, electrical assistants, gaffers and other similar jobs. The successful student will work closely with proven professionals in the field and will be required to perform in a live show setting. This course offers the student the opportunity to sharpen their skills and perform the important tasks to gain employment in the field of study.

THEA120

PERFORMANCE AND PRODUCTION I (3 Cr) (2:2)

This course is a hands-on experience for those accepted for the College's theatre productions, either as a performer or production support personnel. The course content includes, but is not limited to: acting, stage designing, lighting, sound, costumes, makeup, stage management, assistant directing, and understudying.

Prerequisite: Permission of Instructor

THEA121

PERFORMANCE AND PRODUCTION II (3 Cr) (2:2)

This course is a continuation of Performance and Production II.

Prerequisite: THEA120 and Permission of Instructor

THEA130

STAGE AND THEATER MAKE-UP (3 Cr) (2:2)

This course is designed for exploration of the history, theory and practice of stage makeup. Students will gain hands-on experience with materials, techniques and application procedures allowing for the development, planning, and execution of character makeup designs for the performing arts. Emphasis is on the requirements of dramatic character, facial anatomy, and period styles.

Lab fee required

THEA135

PROPERTIES AND SET AUGMENTATION (3 Cr) (1:4)

This course is designed to introduce students to materials and techniques in theatrical properties and craft. Students will learn the many facets of being a property master for theatrical productions while focusing on research techniques, problem solving and technical skills applied to a variety of projects. Emphasis will be placed on expanding resource locating and procurement and organizational skills.

Lab fee required.

THEA208/ ENGL208

THEATER HISTORY I (3 Cr) (3:0)

This course is a survey of dramatic literature and theatrical history from ancient times through the Renaissance. Students will be introduced to all areas of the theater including: acting, directing, design, and theater architecture.

Prerequisite: ENGL101

THEA209/ ENGL209

THEATER HISTORY II (3 Cr) (3:0)

This course is a survey of dramatic literature and theatrical history from the Renaissance through modern times. Students will be introduced to all areas of the theater including: acting, directing, design, and theater architecture.

Prerequisite: ENGL101

THEA220

PERFORMANCE AND PRODUCTION III (3 Cr) (2:2)

This course is a continuation of Performance and Production II.

Prerequisite: Permission of Instructor

THEA221

PERFORMANCE AND PRODUCTION IV (3 Cr) (2:2)

This course is a continuation of Performance and Production III.

Prerequisite: Permission of Instructor

THEA230

THEATER AND EVENT LIGHTING (3 Cr) (2:2)

This course is designed to explore the artistic, conceptual and collaborative aspects of Lighting Design. Emphasis is on technical knowledge of the tools of the trade with application of the final lighting designs. Students will gain hands-on experience with a good portion of class time spent in a theater and on performing arts events.

Lab fee required.

THEA235

COSTUME TECHNOLOGY (3 Cr) (2:2)

This course is designed to introduce the student to costume

COURSE DESCRIPTIONS

technology. Students will discover how to properly research and recognize historical costumes as well as costumes for a variety of genres in successful preparation and completion of a custom design. Drawings techniques, design and production skills script analysis, and changing design will be explored.

Lab fee required.

THEA240

SET DESIGN AND CONSTRUCTION (3 Cr) (1:4)

This course is designed to introduce students to the principles and practices of set design. Students explore script analysis, research to design conceptualization and process transformed into working sketches, material selections, and translated into construction. Student will be able to apply the design process and the skills learned in the use of equipment and tools to complete a scenic design for a production.

Lab fee required

THEA245

STAGE MANAGEMENT (3 Cr) (2:2)

This course provides an introduction to the elements of play production and direction. Students explore planning, management, and technical aspects of production. The directing process will also be covered through script analysis, readings and scene work. Emphasis will be on the process of direction and management in play and character analysis, conceptualizing, casting, rehearsing, performing, and precisely communicating with actors, designers and all members of a production. Students will gain practical experience working in a production.

Prerequisite: THEA102, THEA130, THEA135, THEA230, THEA235, and THEA240

Lab fee is required.

THEA250

SPECIAL TOPICS IN THEATER ARTS

This course focuses on special topics in Performing Arts. Since the topics may change each time the course is offered, students should consult the course-offering schedule each semester.

THEA260

TECHNICAL THEATER INTERNSHIP (3 Cr) (0:9)

This course is designed to have the Technical Theater student gain practical experience and enhance class learning. The student spends a total of 135 hours.

Prerequisite: All THEA technical courses or permission of the Program Coordinator

Welding

WELD101

WELDING SAFETY (1 Cr) (1:0)

This course will familiarize students with the knowledge on welding safety procedures, normal operating procedures; while also covering safe operation and hazards associated with welding.

WELD105

PRINT READING AND WELDING SYMBOLS (3 Cr) (2:2)

This course covers weld print reading commonly utilized in the welding industry. Print reading to be covered includes at least: the American Welding Society (AWS) welding symbols, sketching, view representation, orthographic projection, measurement, structural steel materials, weld joint configuration and detailing, basic layout, and pipe system design.

Prerequisite: Proficiency on the English and Basic Math portion of the Placement Test

Lab Fee required

WELD110

THERMAL CUTTING AND OXYFUEL WELDING (3 Cr) (1:4)

This course acts as an introduction on various types of thermal cutting and oxyfuel welding and brazing procedures currently used in the industry. Training in the course follows the American Welding Society (AWS) standards of acceptance.

Prerequisite: Proficiency on the English and Basic Math portion of the Placement Test

Lab Fee required

WELD115

SHIELDED METAL ARC WELDING I (3 Cr) (1:4)

This course covers equipment and proper setup of said equipment; while introducing students to electrodes, and electrode selection used in shielded metal arc welding (SMAW). Instruction in this course follows the American Welding Society (AWS) standards of acceptability and teaches student to develop hands on skills necessary to generate quality single and multiple pass welds in all positions while utilizing commonly used filler materials including low hydrogen, non-low hydrogen, and iron powder electrodes.

Prerequisite: Proficiency on the English and Basic Math portion of the Placement Test

Lab Fee required

WELD120

WELDING METALLURGY (2 Cr) (1:2)

In this course students will gain the knowledge of basic metallurgical principles in relation to fusion welding. Welding Metallurgy will also include the process, both the physical and mechanical properties, metal type, carbon equivalency, choice of filler metal, heat input (Joules), and the byproduct of heat on the weld zone (HAZ) along with the effects of heat and stress relieving applications within the welding field.

Prerequisite: WELD101, WELD105, WELD110, WELD115

Lab Fee required

WELD125

SHIELDED METAL ARC WELDING II (3 Cr) (1:4)

This course covers equipment and proper setup of said equipment; while going more in depth on electrodes and electrode selection used in shielded metal arc welding (SMAW). Instruction in this course follows the American Welding Society (AWS) standards of acceptability and teaches students to develop the hands on skills necessary to generate quality single and multiple pass welds, in all positions, utilizing increasing diameter electrodes of the low hydrogen and non-low hydrogen filler metals frequently used in the field following the structural steel welding code. Students will weld joints to replicate butt-beam to beam, beam to column splicing, heavy plate and heavy equipment welding. Students learn the skills in the AWS D1.1 Structural Steel Welding Code with low hydrogen electrodes, unlimited plate thickness, and with or without backing in all positions.

Prerequisite: WELD101, WELD105, WELD110, WELD115

Lab Fee required

COURSE DESCRIPTIONS

WELD130

FLUX CORED ARC WELDING (3 Cr) (1:4)

This course includes proper equipment selection, setup, proper choice of electrodes, and gas selection used in flux cored arc welding (FCAW) and submerged arc welding (SAW). Instruction in the course follows the American Welding Society (AWS) standards of acceptability and teaches students to develop the hands on skills necessary to generate quality single and multiple pass welds in all positions utilizing flux cored electrode wires with and without the presence of shielding gases on medium to heavy plate.

Prerequisite: WELD101, WELD105, WELD110, WELD115

Lab Fee required

WELD135

GAS METAL ARC WELDING (3 Cr) (1:4)

This course includes proper equipment selection and setup, electrode selection, gas selection and techniques used in the gas metal arc welding (GMAW) processes on steel, stainless steel and aluminum. Instruction in this course follows the American Welding Society (AWS) standards of acceptability to develop the hands on skills necessary to generate quality single and multiple pass welds in all positions on all thicknesses of metal plate.

Prerequisite: WELD120, WELD125, WELD130

Lab Fee required

WELD140

WELDING FABRICATION (3 Cr) (1:4)

This course provides instruction on both the creation of schematics and construction of welding projects. The creation of schematics and planning of the project will include blueprints and estimated cost of time, labor and supplies needed. Testing of projects will be used to check correctness and soundness of the created welds. Methods for testing will include both visual and non-destructive methods.

Prerequisite: WELD130

Lab Fee required

WELD201

BASIC PIPE WELDING (3 Cr) (1:4)

Instruction in this course will cover the welding of both light and heavy walled pipe. Welding will be completed in all positions using shielded metal arc welding (SMAW) and methods used for fit-up and layout. All welding in this course will follow practices that are permitted by the American Society of Mechanical Engineers (ASME) Section IX and the American Petroleum Institute (API) 1104 and the American Welding Society (AWS)

Prerequisite: WELD135, WELD140, WELD201

Lab Fee required

WELD205

GAS TUNGSTEN ARC WELDING ((3 Cr) (1:4)

Instruction in this course will cover welding of both light and heavy walled pipe in all positions using shielded metal arc welding (SMAW) while also utilizing methods needed for fit-up and layout, and following steps approved by the American Society of Mechanical Engineers (ASME) Section IX and the American Petroleum Institute (API) 1104 and the American Welding Society (AWS).

Prerequisite: WELD135, WELD140, WELD201

Lab Fee required

WELD225

ORNAMENTAL IRON WORK (3 Cr) (1:4)

Instruction in this course concentrates on welding skills necessary to fashion and manufacture an assortment of ornamental iron forms utilizing tools and equipment that include: forge, anvil, hammers, bending and shaping equipment, oxyfuel welding and cutting, plasma cutting, shielded metal arc welding (stick), and gas metal arc welding (wire). Students are instructed in safe work practices, which are followed. Individual instruction is also encouraged to help critique and improve skills to help meet the student's creative ends.

Prerequisite: WELD135, WELD140, WELD201

Lab Fee required

WELD230

CREATIVE WELDING (3 Cr) (1:4)

Instruction in this course emphasizes techniques necessary to produce and manufacture a plethora of forms, utilizing oxyfuel welding and cutting, plasma cutting, shielded metal arc welding (stick), and gas metal arc welding (wire). Students are instructed in safe work practices, which are followed. Individual instruction is also encouraged to help critique and improve skills to help meet the student's creative ends.

Prerequisite: WELD135, WELD140, WELD201

Lab Fee required

WELD280

WELDING INTERNSHIP (3 Cr) (0:6)

This course is formatted to offer students hands on experience in careers found in the field of welding. Students will have the opportunity work in either paid or non-paid positions under the supervision of an approved supervisor.

Prerequisite: WELD135, WELD140, WELD201

Lab Fee required

Womens' Studies

WMST101

WOMEN IN CONTEMPORARY SOCIETY (3 Cr) (3:0)

This is an introduction to the theoretical study of women's lives as they vary within a culture and across cultures. Differences according to sex, gender, race, class, ethnicity and age will be examined. Through a feminist lens, this course examines how gender intersects with ethnicity, class, race and sexuality, and age. A primary focus of the course is on the social construction of gender over the life course by looking at women in both the United States and women in other cultures. Women's lives within economic, political, and social structures will be examined. An overview of issues affecting women's lives, including sexuality, reproduction, work, family, health, poverty and violence will be provided.

WMST110

WOMEN IN BUSINESS (3 Cr) (3:0)

This interdisciplinary course examines topical issues related to women in business, enabling students to acquire valuable assets and tools for competing successfully in the business world. Topics include demographics, legal rights, sexual harassment, career vs. family, career pathing, negotiating skills, networking, mentors, and office politics.

COURSE DESCRIPTIONS

WMST207/ENGL207

LITERATURE BY WOMEN (3 Cr) (3:0)

This course will explore the writing of 19th, 20th, and 21st century women authors, poets and dramatists with an emphasis on the diversity of women's voices, and on the impact of the inclusion of their works on the literary canon.

Prerequisite: ENGL102 (Grade of "C")

WMST250

SPECIAL TOPICS IN WOMEN'S STUDIES

This course focuses on selected topics in Women's Studies. Since topics may change each time the course is offered, students should consult the course-offering schedule each semester.

HEALTH SCIENCES - EMERGENCY MEDICAL TECHNICIAN

EMT-Basics have fulfilled prescribed requirements by a credentialing agency to practice out-of-hospital medicine in conjunction with medical direction. Through performance of assessments and providing medical care, their goal is to prevent and reduce mortality and morbidity due to illness and injury for emergency patients in the out-of-hospital setting. EMT-Basics possess the knowledge and skills consistent with the expectations of the public and the profession. The primary responsibilities are to maintain a high quality, out-of-hospital emergency care. Ancillary roles may include public education and health promotion programs as deemed appropriate by the community.

Sussex offers an official US. Department of Transportation, EMT-Basic course designed to teach the emergency care and transportation of the sick and injured. The curriculum, prepared by the National Highway Traffic Safety Administration, is responsive to the standards established by the National Highway Safety Act. The 190-hour training program prepares a medically competent EMT-Basic to operate in the field. Students will complete an additional 10 hours of clinical work as a part of this course. All EMT- Basics must be certified. Individuals are required to pass the EMT course as well as the State of New Jersey Department of Health practical and written examinations. Successful completion of the course will allow students to sit for the certification examination given by the NJ State Department of Health and Senior Services, Office of Emergency Medical Services.



COMMUNITY EDUCATION & ACTIVITIES

Sussex offers Community Education and Activities to provide a variety of quality, relevant and essential educational programs to individuals, businesses and the community to help fulfill employer training needs, as well as individual career and/or personal training. Additional services include the Lace Program, NJ Small Business Development Center, NJBIA & NJCCC Workforce Development, Rider Education, Senior Life Center and Senior Walking.

Alumni Association

The Sussex Alumni Association exists to advance and promote the educational resources of the College and to provide opportunities for alumni to participate in various aspects of the campus community. All students who have completed 30 credits or more are eligible to become members. Events, fund raisers and meetings are posted on the College website or by calling 973.300.2121

Art Gallery

Art work from faculty, students and area artists is featured throughout the year in the Art Gallery, Building C, and in the Atrium of the Performing Arts Center. The schedule of shows is presented with the Performing Arts schedule and posted online.

Betty June Silconas Poetry Center

The Betty June Silconas Poetry Center (BJS) honors the memory of Betty June Silconas, a Sparta resident, who celebrated life in her poems. The joy and love she had for family, friends, and her home are evident in her work. Ms. Silconas never sought to be recognized. She wrote for the bliss she experienced as she chronicled the events in her life: seasons, celebrations, and her spirituality. Thanks to a generous donation from her family, the Center is a place where anyone can come to read and write poetry. Sponsored events such as readings and workshops are also held.

EDTV, Channel 20

Sussex hosts a local educational access television station on cable through the facilities of Service Electric Cable TV. EDTV provides educational programming, course support, college and high school programs, sports and local programming of community interest. Sussex broadcast students help support the programming and gain valuable experience in their field of interest.

Foundation

The College Foundation enhances the College's mission of providing educational excellence and cultural opportunities to the residents of Sussex County and beyond. The Foundation supports this mission through fund-raising and friend-raising efforts on the College's behalf. Funds are generated through annual giving campaigns, special events, and direct contributions. The funds raised support student scholarships, infrastructure, and expansion.

Scholarships are available for the fall and spring semesters. The timeframe and process is posted on the website and applications can be submitted online.

Scholarships

The Advising and Counseling Center has information available on local, national and transfer scholarships. Internet access to specific scholarship sites is also available. The College Foundation maintains a number of locally endowed and in-house scholarships that are designed to assist qualified students with the cost of attending Sussex. These Foundation Scholarship applications are available online at sussex.edu/scholarships.

Public Safety Training Academy

Sussex County Public Safety Training Academy (PSTA) is located 5 miles from the SCCC's main campus in Frankford Twp. The Academy offers relevant, quality training, educational programs and opportunities to the fire service, law enforcement, emergency medical personnel, government employees and the general public in all aspects of public safety.

The facility is accredited by the State Division of Fire Safety to deliver state fire service courses and is also licensed for live burns and various simulators by the Division. The Fire Service trains over 1500 people annually in courses such as Firefighter 1, Firefighter 2, Firefighter 3, Strategies & Tactics and Incident Management, as well as other state & federally approved courses. It is also the hub for police service training as well as HAZMAT and Special Operations training and EMT Training.

The Academy also trains local businesses and institutions in various types of fire safety both at the Academy and at the employer's location. A Summer Fire Academy is held July for high school students, as well as an antique fire truck show in October.

Radio Station - WRSK LP 97.5 FM

The College offers listeners a College Radio Station that is broadcasted from the College campus. WRSK LP 97.5 FM, Radio Skylanders is the home for Cruzin Oldies, the voice of Sussex County Community College.

Teen Arts

SCCC hosts the annual Teen Arts Festival every spring featuring works from area Middle and High School Students. Works are displayed throughout the campus.



CAMPUS DIRECTORY

Department	Direct Lines	Building	Room
Academic Affairs	973-300-2150/2332	Administration Bldg.	B301
Academic Support & Learning Resources			
• ABE/HSE	973-300-2158	Administration Bldg.	B102
• Disabilities Assistance Program	973-300-2153	Library & Science Bldg.	B206
• ESOL	973-300-2157	Student Center	D305
• Tutoring	973.300.2155	Library	
Admissions	973-300-2223	Administration Bldg.	B204
Advising & Counseling Center	973-300-2207	Administration Bldg.	B206
Art Studio	973-300-2228	Art Gallery	
Athletics	973-300-2230/2231	Academic & Athletic Bldg.	
Bursar's Office	973-300-2106	Administration Bldg.	B203
<i>Billing, All Payments & Payment Plans, Account Reconciliation</i>			
Campus Life Office	973-300-2200	Student Center	D105a
Campus Store	973-300-2767	Student Center	
EOF Program	973-300-2347	Student Center	D114
Faculty Area	973-300-2165/2166	Administration Bldg.	
Financial Aid	973-300-2225/2227	Administration Bldg.	B212
Foundation	973-300-2121	Health Sciences & Performing Arts Center	A327
Front Desk	973-300-2100	Administration Bldg.	
Library	973-300-2162/2292	Library & Science Bldg.	
Maintenance	973-300-2113	Administration Bldg.	B106
Marketing Dept.	973-300-2355	Student Center & D319	D318
Registrar	973-300-2218/2215	Administration Bldg.	B217
<i>FERPA, Transcripts, Student Records</i>			
Security	973-300-2222/2103	Student Center	Front Desk
<i>Student ID, Parking Sticker</i>			
Student Gov't Assoc.	973-300-2304	Student Center	D112
Student Services	973-300-2201	Administration Bldg.	B211
Transcript Information	973-300-2216	Administration Bldg.	B217
Testing Center	973-300-2155	Administration Bldg.	B317
Veteran Services	973-300-2109	Student Center	D110b

DIRECTIONS AND CAMPUS MAP

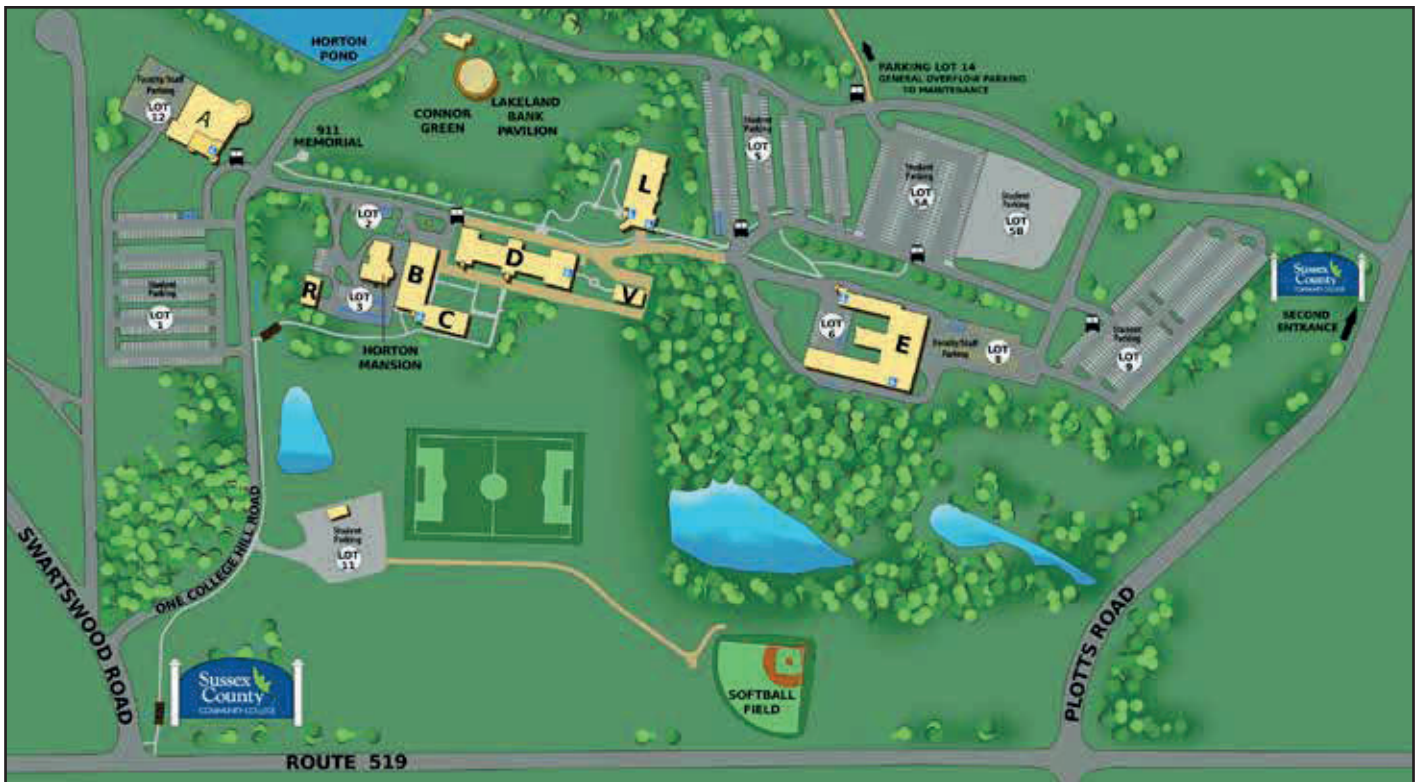
Sussex County Community College • One College Hill Rd, Newton, NJ 07860

From the East via Route 80: Route 80 W. to exit 25; Rt 206 N. into Newton; Left at light; Bear right onto 206 N.; Left at light onto Mill St.; Left at light onto Swartswood Rd.; First right onto College Hill Rd.

From the Northeast via Rt 94: Route 94 S. to 206 S. to Newton; Right on North Park Drive; Left onto Rt 519; Right at light onto Swartswood Rd.; First right onto College Hill Rd.

From the South via Route 15: Route 15 N. to Rt 517, Sparta/Franklin Exit; Left at light onto Rt 517/Newton-Sparta Rd; Follow 5 mi. into Newton; Road changes to Spring St.; Bear right onto Rt 206 N.; Left at light onto Mill St.; Left at light onto Swartswood Rd.; First right onto College Hill Rd.

From the Southeast via Rt 94: Rt 94 N. to Newton; Left at light; Bear right onto 206 North; Left at light onto Mill St.; Left at light onto Swartswood Rd.; First right onto College Hill Rd.



A. Health Sciences and Performing Arts:

Classrooms, SCCC Foundation, PAC Theater

B. Administration Building:

Academic Affairs, Accounts Payable, Admissions, Advising and Counseling Ctr, Bursar, Classrooms, Executive Offices, Financial Aid, IT Services, Learning Resources, Purchasing, Registrar, Student Services, Testing Center, Welcome Center

C. Art Gallery - Art Studios, Classrooms, Faculty Offices

D. Student Center:

Adjunct Faculty Offices, Campus Life, Campus Store, Classrooms, EOF, Game Room, HR, Facilities, Marketing, Security, Student Center Theater, Skylanders Cafe, Student Government Assoc, Veterans Office/Resource Center, Writing Center

E. Academic & Athletics Building:

Athletics, Classrooms, CC Business Learning Ctr, Degree UP, ESports, Faculty Offices, Fitness Center, Graphic Arts Lab, Human Performance Lab, Gymnasium, Shipping & Receiving

H. Horton Mansion

L. Library and Science Building:

Classrooms, Faculty Offices, Library, Science Classrooms & Labs

R. University Center - Classrooms

V. Studio 20/Media Center

Classrooms, Studio 20

Section 504 and Title IX Continuous Notice of Non-Discrimination: Sussex County Community College (SCCC) does not discriminate in admissions or access to, or treatment or employment on the basis of race, color, national origin, sex, disability, or age in its programs and activities.



**One College Hill Road
Newton, NJ 07860
973.300.2100**