

1. **Introduction**

The purpose of this report is to analyze the impact of the COVID-19 pandemic on the global economy and to provide recommendations for recovery. The report is structured as follows:

2. **Methodology**

This report is based on a comprehensive review of academic literature, government reports, and news articles. The data is analyzed using a combination of quantitative and qualitative methods. The report is written in a clear and concise style, using a mix of formal and informal language.

3. **Findings**

The findings of this report indicate that the COVID-19 pandemic has had a significant negative impact on the global economy. There has been a sharp decline in GDP, a rise in unemployment, and a loss of confidence in financial markets. However, there are signs of recovery in some sectors, and governments are implementing various measures to support the economy.

4. **Discussion**

The discussion in this report focuses on the underlying causes of the economic downturn and the role of government intervention. It is argued that the pandemic has exposed the weaknesses of the current economic system and the need for a more resilient and inclusive global economy.

5. **Conclusion**

In conclusion, the COVID-19 pandemic has had a profound impact on the world. While the economic recovery is still in progress, it is clear that the global economy will be fundamentally different in the years ahead. Governments and businesses must work together to build a more sustainable and resilient future.

6. **References**

The following references were used in the preparation of this report:

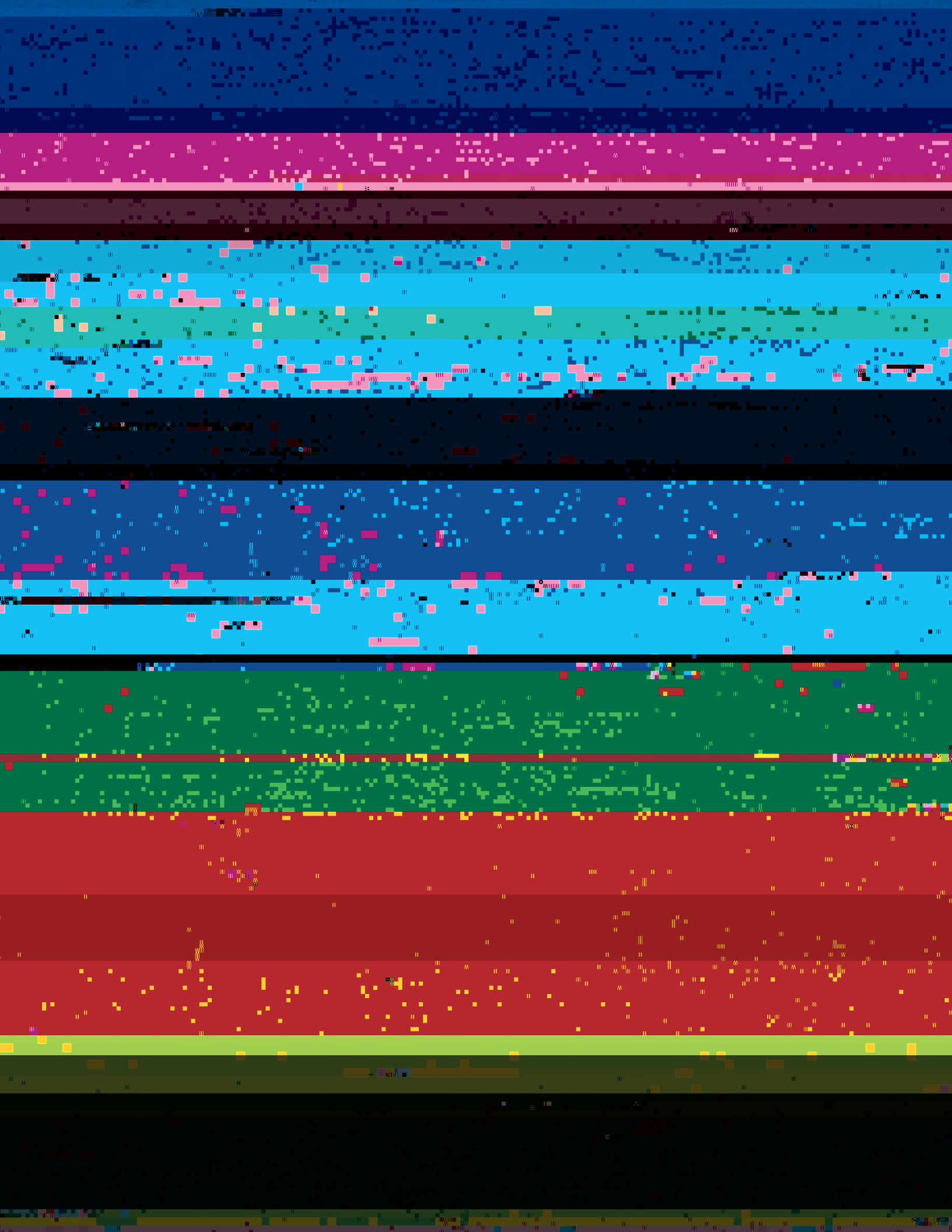
- World Health Organization (2020) COVID-19 Situation Report - 118. Geneva: WHO.
- International Monetary Fund (2020) Global Economic Prospects: Recovery in the Shadow of COVID-19. Washington, DC: IMF.
- World Bank (2020) COVID-19 and the Global Economy. Washington, DC: World Bank.

7. **Appendix**

The appendix contains additional data and charts that support the findings of the report. It includes a table of GDP growth rates by country and a chart showing the impact of the pandemic on global trade.

8. **Index**

The index provides a quick reference to the key sections of the report. It is located at the end of the document.



Steps to Enrolling



Submit a New Student Information Form

Submit the form online at estorm.swic.edu or for a hardcopy, or to schedule a campus tour, contact the Enrollment Services office at the Belleville, Red Bud or Sam Wolf Granite City campuses.

Set Up eSTORM and SWIC Email Accounts


You will need your SWIC student ID number, Social Security number and date of birth to set up both of your accounts at estorm.swic.edu.

Apply for Financial Aid and apply for SWIC Scholarships


Contact Financial Aid and Student Employment for information on the Free Application for Federal Student Aid (FAFSA) to apply for /rSWIC ste, gete, srships




Board of Trustees




Robert G. Morton
Housing rehabilitation coordinator for the St. Clair County Intergovernmental Grants Department



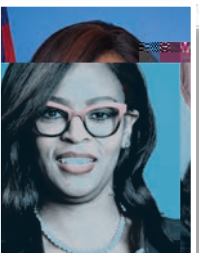
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Sonny Wilson
Student Trustee

Dear Student:

Congratulations on choosing Southwestern Illinois College to begin or continue your college education.

As a SWIC student, you will have the opportunity to follow a variety of paths to reach your academic and career goals. Whether you chose a university transfer degree to begin your bachelor's, an occupational/career degree or certificate to prepare for the workforce, or classes for personal enrichment, SWIC can help you prepare for your future.

Our excellent faculty is dedicated to teaching, inspiring and motivating you to pursue your passion. Traditional classroom and hands-on instruction at campuses in Belleville, Granite City and Red Bud, plus online and hybrid courses offer learning options to meet your needs.

Free support services such as Academic Advising, Financial Aid and Student Employment, Success Centers, Veterans Services, and much more, ensure you get the most out of your educational experience. In addition, athletics, performing arts, the Schmidt Art Center and college events and activities provide a well-rounded student life experience.

Through eSTORM, the online student records management system, you can receive important college information, sign up for SWIC Alert, review financial aid, apply for scholarships, pay your bill and more.

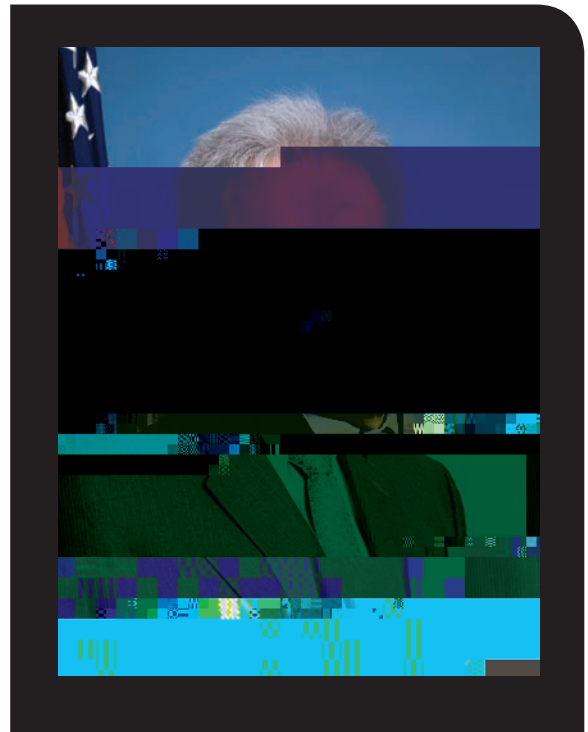
The catalog – online or in print – is another resource designed to help you navigate SWIC programs and services. The information in this book will clarify policies and procedure, outline curriculum options and define course selections. We recommend that you take time to familiarize yourself with this catalog and use it as a reference tool.

Embracing the value of a community college education could be the best decision you will ever make.

Sincerely,



Nick J. Mance,
President

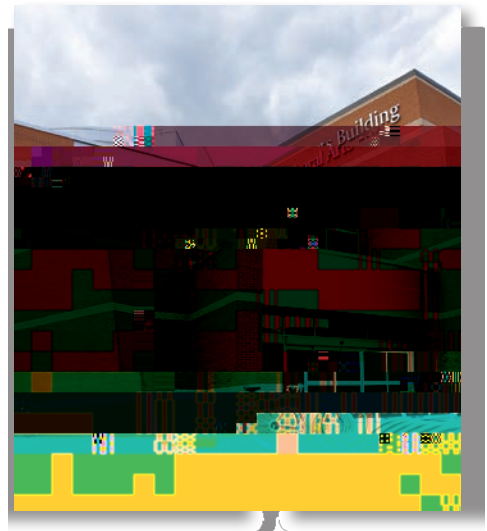


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Many Locations – One Mission

B

The campus offers more than 100 University Transfer and Career/Technical programs ranging from Accounting to Welding. Unique programs and facilities include the Health Sciences program, Music Technology and Recording Studio, the William & Florence Schmidt Art Center, the student Cyber Lounge and a MetroLink station.



BELLEVILLE CAMPUS

B

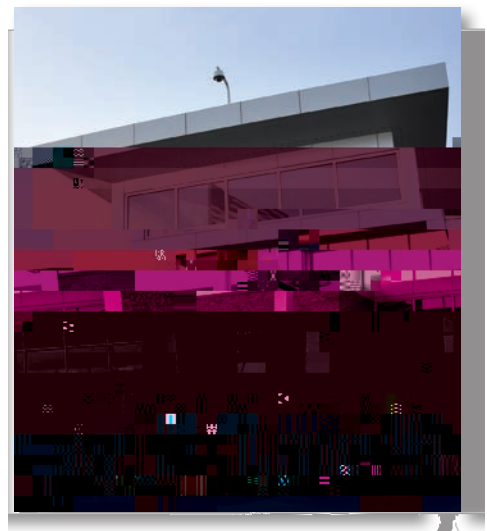
The diverse credit class offerings are aimed at helping students transfer to a four-year college or university or to gain skills to move directly into the workforce. Services such as the Library and Success Center help enrich the academic experience for students.



RED BUD CAMPUS

B

The campus was named in honor of the late college trustee and longtime legislator Sam Wolf. The academic offerings of the campus meet the educational needs of the northern part of the college district. The state-of-the-art advanced manufacturing training facility helps meet the workforce training needs of local industry.



SAM WOLF GRANITE CITY CAMPUS

SWIC offers numerous career/occupational credit courses such as Nurse Assistant and Welding Technology, as well as Adult Education and Literacy classes at ESLCCC. The facility is located within walking distance of a MetroLink station.

PSOP provides a wide variety of services, programs and activities including travel, health and wellness, entertainment and volunteer opportunities for adults age 55 and older to help them remain independent, active and healthy.

A B

Military personnel and civilians are able to take classes at Scott Air Force Base. Students can register, drop/add courses, use the state-of-the-art computer lab, and submit paperwork for veterans assistance and military tuition assistance.

A B

Anderson Hospital
Belleville Off-Campus
Belleville Off-Campus Clinic
Belleville Township High School East
Belleville Township High School West
Belleville – Orchards Golf Course
Body Therapy Center
Clinical Sites
Collinsville High School
Columbia High School
East St. Louis Community Center
Freeburg High School
Fire Science Training Center

Granite City Off-Campus Site
Highland Middle School
Highland High School
Hospital Sites
Memorial Hospital
O'Fallon Township High School
Red Bud Off-Campus Site
Saint Louis University
Southern Illinois University Edwardsville
St. Clair Bowl
St. Elizabeth Hospital
Waterloo High School
YMCA East Belleville



College Calendar

inside front cover

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SWIC Core Values: Student Success and Accountability

Student

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Academic Advisor: A trained professional who helps students decide what courses to take, clarifies degree requirements, and assists in assessing progress toward degree and certificate completion. Academic advisors are available to assist students in Enrollment Services at the Belleville and Sam Wolf Granite City campuses.

Accreditation: Certification that a school or program meets a set of quality standards. SWIC is accredited by the Higher Learning Commission, one of six regional accreditation associations in the United States. In addition, many SWIC programs are individually accredited by professional organizations.

Adjunct Instructor: A faculty member who is employed by the college to teach on a part-time basis. These instructors often currently work in the field in which they are teaching.

Admission Requirements: The educational background and/or academic abilities that a student must demonstrate before being fully admitted into a particular instructional program. PLEASE NOTE THAT ADMISSION REQUIREMENTS DO NOT PREVENT A STUDENT FROM ENROLLING AT SWIC. For more information about admission requirements, see the Admission Information section in this catalog.

Adult Education: Courses and programs designed to enable students to improve basic literacy skills, earn a high school equivalency credential, obtain vocational training or improve their English skills as an English as a Second Language learner.

Advanced Placement (AP): A program of college-level courses offered to advanced high school students that leads to a national exam administered by the College Entrance Examination Board. SWIC will grant credit to students who achieve scores of three or higher on the national exams. See the Advanced Placement section of this catalog for more details.

Articulation Agreements: An arrangement between two educational institutions that defines a process for the equating of their courses for transfer purposes.

Associate in General Studies (AGS): An associate degree for students whose interests and educational objectives do not fall within either a traditional transfer or occupational program.

Associate in Science (AS): An associate degree that provides the first two years of study for students who plan to pursue a bachelor's degree in areas such as Biology, Environmental Science, Mathematics, Chemistry or Physics.

Bachelor's Degree: A degree awarded by a college or university to a person who has completed undergraduate studies in a specific subject. Also known as a four-year degree.

Career Programs: One- or two-year occupational programs leading directly to employment. Students completing one-year career programs receive Certificates of Completion; students completing two-year programs receive the Associate in Applied Science degree.

Career/Technical Programs: Academic programs that prepare students to enter the workforce immediately after graduation.

Certificates: Academic programs ranging from 2 to 50 semester credits that provide students with the basic skills necessary to gain entry-level employment in a specific career field.

College Level Examination Program (CLEP): A series of exams administered by the College Level Examination Board that is designed to assess students' college-level knowledge and skills. CLEP exams are of two types, General and Course Specific. The conditions under which SWIC will accept CLEP exams are described in the CLEP section of this catalog.

Coordinator: A faculty member who is designated as the academic leader of a specific set of career programs.

Course: A particular component of a subject selected for study. A course is identified by a course number: for example, ENG 101 or PSYC 151.

Course Description: Information about a course, including its semester credits, prerequisites (if any), general requirements and the subject areas it covers. Course descriptions can be found in the Course Description Guide section of this catalog.

Course Fee: A charge in addition to tuition costs to cover supplies or equipment usage in a classroom.

Course Load: The number of semester credits a student carries in a given semester.

Curriculum: A group of courses planned to lead to some specific competence in a field of study and to a certificate or associate degree. For example, a computer science curriculum.

Dean: The administrative leader of the faculty for a specific academic division of the college.

Department Chair: A faculty member who is designated as the academic leader of the faculty in a transfer-oriented college department.

Developmental Course: A pre-college-level course numbered less than 100 that develops skills in reading, writing, or mathematics, and prepares students for college-level English or mathematics. Credits earned in developmental courses do not count toward graduation but may meet the math requirements for some occupational programs.

Glossary of College Terms(continued)

- Drop for Nonpayment:** Failure to pay in full or to make the required down payment for tuition and fees by a specified due date may result in your class(es) being dropped.
- Dual Credit:** A college course offered at the high school campus during normal school hours. Through a partnership agreement with the high school, students earn both high school and college credit simultaneously. There is no fee for these courses to the high school or the students. Students must meet minimum requirements as established by the Board of Trustees to enroll in these classes.
- Dual Enrollment:** High school students meeting minimum requirements as established by the SWIC Board of Trustees who enroll in traditional college courses offered online or on any campus. All college fees and tuition are applicable.
- Elective:** Any course not specifically required for a program of study but counting as credit toward a degree or certificate.
- ESL:** An acronym for English as a Second Language. Describes courses or programs designed to develop proficiency in the use of English for a person whose first language is not English.
- eSTORM Services:** The Southwestern Total Online Records Management service allows students to log on and enroll, drop classes, make a payment, view or print their course schedule, view enrollment, view final grade report and unofficial transcripts, and manage account statement.
- Financial Aid:** Financial aid, in its simplest definition, is financial assistance intended to aid students in reaching their educational goals. This assistance may come in a variety of forms such as grants, scholarships, work-study and loan programs. Information about financial aid programs at SWIC can be found in the Financial Aid and Scholarships section of this catalog.
- Financial Aid Advisor:** A trained professional who assists students in applying for financial aid and interpreting financial aid information.
- Full-Time Student:** A student enrolled in at least 12 semester credits during the fall or spring semester, or at least six semester credits during the summer term. For financial aid purposes, a student must be enrolled in 12 semester credits to be considered full time during the summer term.
- General Education:** The required component of each associate degree program that develops breadth of knowledge and the communication skills essential to more complex and in-depth learning throughout life. The academic disciplines comprising the general education curriculum are communications, mathematics, the physical and life sciences, the humanities and fine arts, and the social sciences.
- Grade Point Average (GPA):** A student's grade point average is a measure of a student's academic achievement in college-level courses. A student's GPA at SWIC is calculated by multiplying the credits each course is worth by the grade points (A=4, B=3, C=2, D=1, F=0) earned for the course, then dividing the total grade points earned by the total number of hours attempted, excluding those courses in which a grade of I, W, PR, AU, CR, PC, SC and P was received. Note that courses numbered below 100 are not considered when calculating the SWIC cumulative grade point average regardless of the grade received.
- Graduation Requirements:** The designated set of courses that must be successfully completed in order for a student to earn a particular associate degree or certificate.
- Grant:** A type of financial aid, commonly referred to as "gift aid," because it does not have to be repaid. This aid type is usually based on need. See the Financial Aid and Scholarships section of this catalog for more information.
- High School Equivalent:** The classes offered to help students who have not completed their formal high school education. These classes prepare students for the High School Equivalency Exam. With the High School Equivalency Certificate, students qualify for admission to colleges or other educational institutions, fulfill requirements of local or state licensing boards, and meet educational qualifications for induction into the armed services.
- Human Well-Being:** A field of study that emphasizes increasing knowledge, applying skills and developing lifelong habits for health.
- Hybrid Classes:** Classes in which students complete some class hours by way of the internet and meet in a classroom setting for the remaining hours.
- Illinois Articulation Initiative (IAI):** A statewide agreement that facilitates the transfer of general education and major course credits between two- and four-year colleges and universities. For more details about the IAI, see the Transfer Information section of this catalog.
- IAI General Education Core Curriculum (IAI GECC):** Successful completion of this set of 12 to 13 courses (37 to 41 credits) at SWIC will guarantee junior standing and satisfaction of all lower-level general education requirements upon transfer to any participating college or university in Illinois.
- International Baccalaureate (IB) Diploma Programme (DP):** Diploma Programme curricula is for students aged 16-19. It includes a wide variety of subjects. SWIC will grant credit for DP courses when students provide official documentation for scores of four or better to Enrollment Services.
- Major:** A field of study in which a student specializes.
- Off-Campus Sites:** A location separate from the three SWIC campuses, such as a high school or community center, within Community College District No. 522, where the college offers college-credit and noncredit courses.
- Online Classes:** Classes in which students complete their course-work by way of the internet. It should be noted that some online instructors require students to participate in on-campus orientation and/or take exams on campus or at an approved testing site.
- Part-Time Student:** A student enrolled in fewer than 12 semester credits during the fall or spring semester, or fewer than six semester credits during the summer term. For financial aid purposes, a student must be enrolled in six semester credits to be considered part time during the summer term.
- Peer Advisor:** A SWIC student who has been chosen and trained to assist other students and the public in a general information and resource capacity.

Transfer Student: A student who plans to transfer to a four-year college or university in order to earn a bachelor's degree. While at SWIC, transfer students generally pursue one of the following degrees: Associate in Arts, Associate in Fine Arts, Associate in Science, or Associate in Engineering Science.

Tuition: The amount of money charged to a student for each class, usually per semester credits. For more information about tuition, see the Tuition section of this catalog.

University Transfer: A degree that is the first two years of study toward a bachelor's degree. It is designed to transfer credits in a specific field of study to a four-year academic institution.

Video Conference Classes: College-level classes that are taught simultaneously at multiple sites and linked through two-way audio and video communication. The instructor of a video conference class teaches directly to students at one site while students at other sites participate fully in the class via telecommunication connections.

Web-Enhanced Classes: Classes in which students meet in a classroom setting during all class hours, but make use of the

Frequently Called Telephone Numbers at the College

Health Information Technology courses.....	5385...
Heating, Ventilation, Air Conditioning & Refrigeration course.....	5175/7448
High School Equivalency Program.....	5525/7397/8001/874-8778
Horticulture/Agriculture courses.....	5135.....
Human Resources.....	5120.....
Human Services Technology courses.....	5198/7386
Industrial Electricity courses.....	5432/7456
Industrial Maintenance Mechanics courses.....	7457/7455
Industrial Technology Center.....	7475.....
Instructional Technology.....	5737.....
Library Belleville.....	5204.....
Library Red Bud.....	8190.....
Library Sam Wolf Granite City.....	7354.....
Management courses.....	5485.....
Manufacturing Technology courses.....	5252/7475
Marketing courses.....	5485.....
Massage Therapy courses.....	239-6400
Mathematics and Computer Science courses.....	561.1
Medical Assistant courses.....	5332.....
Medical Laboratory Technology courses.....	5386..
Microcomputer Hardware Maintenance courses.....	5432/7456
Music courses.....	5354/5327/7395
Networking courses.....	7374.....
Nursing Education courses.....	5263.....
Office Administration & Technology courses.....	5321.
Online Learning.....	5737.....
Paralegal Studies courses.....	5494/7323
Payment Information.....	5367.....
Physical Sciences courses.....	7306.....
Physical Therapist Assistant courses.....	5390....
Police Academy courses.....	5396.....
Precision Machining Technology.....	7457/7475
Programs & Services for Older Persons	

Frequently Asked Questions

Frequently Asked Questions (continued)

- [What is SWIC Alert?](#)

is free emergency alert system sends text messages and/or emails to students and employees. Text messaging is an opt-in notification system where a text message can be received on your mobile phone. SWIC does not charge for this service; however, the only cost is what the cell phone carrier charges to receive text messages. You may choose to receive text messages or emails for a specific campus or all campuses. Once enrolled, your account is active for one year. You will receive notice 30 days before your enrollment will expire.

- [How do I sign up for SWIC Alert?](#)

Log in to your eSTORM account at estorm.swic.edu; click Main Menu in the upper left; scroll over SWIC Alert and choose SWIC Alert Signup

- [How can I find out if the college is closed or has a delayed opening due to inclement weather?](#)

Information regarding the use of the Snow Schedule or closure due to weather conditions will be sent via SWIC Alert, posted on the college's homepage and broadcast on these stations:

Television	Radio	Website
FOX 2 (KTVI)	KMOX-AM 1120	swic.edu
KMOV-TV Channel 4	WHCO-AM 1230	facebook.com/swic.edu
KSDK-TV Channel 5	WIL 92.3	

See the College Closing Policy section of this catalog for more details.

Students may sign up on eSTORM for SWIC Alert, an emergency alert system designed to notify students and employees by email or text message of campus closure due to inclement weather or other emergencies.

- [Can I take college classes if I'm still in high school?](#)

High school students age 16 and older who have authorization to participate in college courses and programs may enroll. See the General Admission section in this catalog for more information.

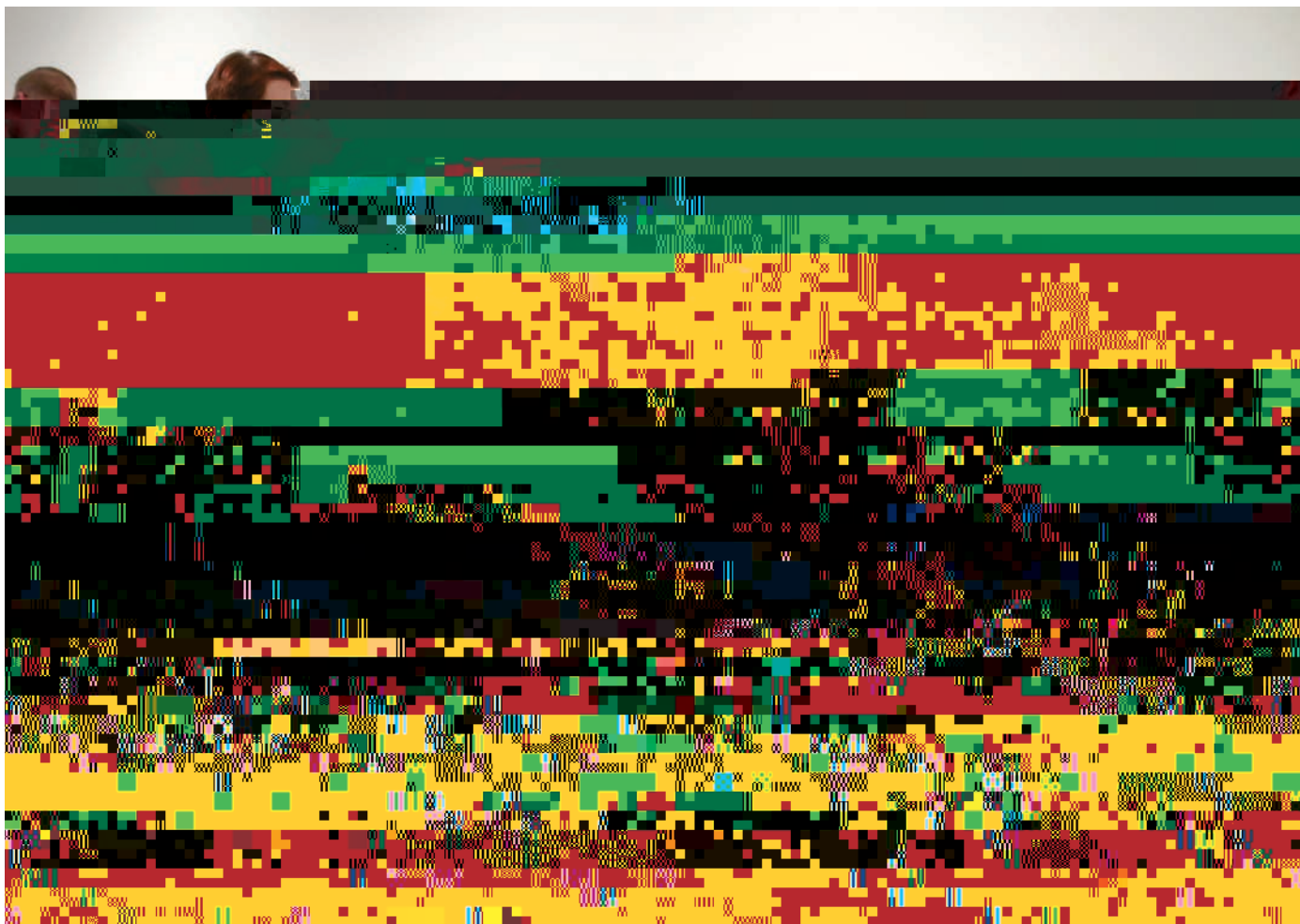
- [Where do I get a parking permit?](#)

For students, faculty and staff, parking is by permit only on the Belleville and Sam Wolf Granite City campuses. Permits are free and are issued by the Public Safety departments on those campuses or through the Student Development Office at the Red Bud Campus. Students attending the East St. Louis Community College Center must obtain a SWIC parking permit for that site. SWIC parking permits can be obtained in Bldg. A, Room 1003. For more information, see the Parking/Traffic Enforcement section in this catalog.

- [When do I apply for graduation?](#)

Students need to apply for graduation by the following dates: Oct. 15 for fall 2019 graduation; Feb. 15 for spring 2020 graduation; June 15 for summer 2020 graduation.

The William and Florence Schmidt Art Center



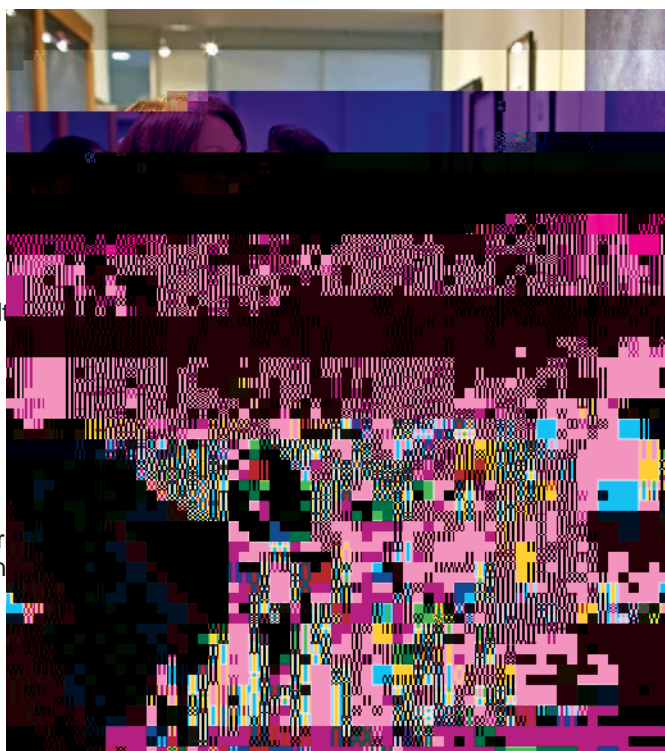
The William and Florence Schmidt Art Center is a vibrant facility that offers:

- changing exhibitions of visual art
- educational programs for students of all ages
- cultural and musical programs by professional artists, writers and musicians
- outdoor sculptures, part of the Schmidt Family Gardens
- tours and discussions that can teach you how to look at and appreciate art

To enjoy the works of fellow SWIC students, stop by the Schmidt Art Center for:

- the annual SWIC Student Art Show
- music performances and recitals
- film screenings
- poetry readings

Take a break from your studies and enjoy the Schmidt Family Gardens surrounding the art center, part of the campus' Missouri Botanical Gardens Metro East Signature Gardens. SWIC student horticultural interns maintain the gardens.



SWIC Core Values: Student Success and Accountability

Student Success

SWIC is dedicated to student success, which occurs when students identify and achieve educational goals and acquire lifelong learning skills within an encouraging environment of quality instruction and effective student support services. Thus, student success is a partnership between the institution and the student to foster an environment in which:

- Students are assisted in defining and accomplishing academic, personal and career goals for the present and the future.
- Students are inspired to become self-motivated lifelong learners who are ultimately responsible for their learning.
- Students are taught the skills and citizenship needed to function competently in an increasingly interdependent, culturally diverse world.
- Students are provided support services to enhance their educational process and quality of life.
- Students are encouraged to explore a diverse range of ideas and experiences.
- Students become more knowledgeable about themselves and their communities.

The college is committed to regular evaluation of our effectiveness and the assessment of student learning is an integral component of the educational experience at SWIC. To ensure that the needs of the students and the community are met, the college conducts classroom, program and collegewide studies of student attitudes, achievement and satisfaction. In addition, the college regularly assesses its educational programming and services. To conduct useful institutional analysis, all students who are randomly selected for these assessments are expected to participate. When possible, the college will provide feedback about the student's individual performance, along with other data available, such as local and national norms. Full participation helps SWIC meet our core values of educational excellence and student success.

Accreditations

Accreditation means SWIC has met the standards identified by the agencies/boards listed below and assures the public that our curriculum prepares competent graduates.

SWIC has been approved as a Class I Community College by:

- Illinois Community College Board
- Illinois Board of Higher Education
- Illinois State Board of Education
- Illinois Department of Veterans Affairs

SWIC education programs are accredited or recognized by:

- American Design Drafting Association
- Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 U.S. Highway 19 North, Suite 158, Clearwater, FL 33763, 727-210-2350
- Commission on Accreditation in Physical Therapy Education, American Physical Therapy Association, 1111 N. Fairfax St., Alexandria, VA 22314, 703-706-3245, accreditation@apta.org, <http://www.captionline.org>
- Commission on Accreditation for Health Informatics Management Education
- Commission on Accreditation for Respiratory Care (CoARC), Harwood Road, Bedford, TX 76021-4244, 817-283-2835, www.coarc.com

- Committee on Accreditation of Educational Programs of the Emergency Medical Services Profession (CoAEMSP), 8301 Lakeview Parkway, Suite 111-312; Rowlett, TX 75088
- Federal Aviation Administration
- Illinois Department of Finance and Professional Regulation, 100 W. Randolph, Suite 9-300, Chicago, IL 60601, 312-814-4500
- Illinois Department of Public Health
- Illinois Local Governmental Law Enforcement Officers Training and Standards Board
- Illinois State Fire Marshal
- International Fire Service Accreditation Congress
- Joint Review Committee for Education in Radiologic Technology
- National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Road, Suite 720, Rosemont, IL 60018, 773-714-8880, www.naacls.org
- National Institute for Metalworking Skills
- Accreditation Commission for Education in Nursing (ACEN), ECENaihTJ /T1_2 1 Tf 0 Tw 9.6 0 0 9.6 339 524.47.064

Student Success and Accountability (continued)

Inquiries regarding equal opportunity and a remedial action in student services, academic affairs, and employment issues are handled by the same office for all campuses and instructional sites within the community college district. Specific information may be obtained by contacting: Human Resources office or Title IX Co-Coordinator Anna Moyer and Staci Oliver, Southwestern Illinois College, Belleville Campus, Main Complex, Room 1246, 2500 Carlyle Ave., Belleville, IL 62221, 618-235-2700, ext. 5566 or by email at titleix@swic.edu.

Notice of Non-discrimination

SWIC ensures that equal educational opportunities are offered to students regardless of race, color, religion, sex (including pregnancy, gender identity and sexual orientation), national origin, age (40 or older), disability or genetic information, or veteran status. Questions in reference to equal educational opportunities may be directed to the Human Resources office, Southwestern Illinois College, Belleville Campus, Information Sciences Building, Room 2080, 2500 Carlyle Ave., Belleville, IL 62221, 618-235-2700, ext. 5534.

The Successful Student General Education Core Competencies

When you graduate from SWIC, you will have practiced these skills in many of your classes:

Reasoning Skills: the ability to organize, evaluate and apply information in order to express ideas in a useful form.

Communication Skills: the ability to convey information verbally, electronically or in written form, in a manner that is clear and appropriate to the circumstances, and that increases understanding in the audience.

Citizenship: the ability to recognize how our actions/behaviors impact ourselves and the community in which we live.

Tuition and Fees

swic.edu/tuition-fees

Tuition

Tuition and fees are subject to change at any time.

Fees

Fees are subject to change at any time by action of the Southwestern Illinois College Board of Trustees.

Course fees are charged to cover the cost of supplies or equipment usage in a classroom. Fees may be found in the class schedule online on eSTORM.

Students who are dropped from a class for nonpayment may be responsible for payment of 10 percent of the tuition amount.

Consumer Statement

swic.edu/consumer-information

SWIC STUDENT HANDBOOK

swic.edu/student-handbook

SWIC provides specific consumer, textbook and gainful employment information to current and prospective students through the college website and printed materials. For a printed copy of the catalog, visit the Enrollment Services office at the Belleville Campus, Information Sciences Building, Room 1115; Sam Wolf Granite City Campus, Center for Student Development, Room 440; or the Red Bud Campus, Student Development Office, Room 175. For a printed copy of the Student Handbook, visit the office of the vice president for Student Development, Belleville Campus, Main Complex, Room 1246A. To find textbook information, visit the Barnes & Noble bookstores at the Belleville Campus, Liberal Arts Complex, Room 1116; or Sam Wolf Granite City Campus, Room 210, adjacent to the Commons.

Financial Responsibility

By registering for classes at Southwestern Illinois College, the student accepts full financial responsibility for payment of the term tuition and fees, as well as associated costs related to registration and/or other SWIC services, by the applicable deadlines. The student understands that should you default on your account, SWIC may use any and all means necessary to collect this debt in accordance with state and federal laws. This may result in the referral of your SWIC account to an external collection agency, legal action by the college to collect the debt, and other financial consequences that the student is further responsible, which may include but are not limited to attorney's fees, late fees, and litigation costs associated with the collection of the debt.

Tuition Payment and Payment Plans

Payment may be made in person, online, by mail or by phone. Tuition payment plans are available online or in person. Contact the Business Office for details.

Chargebacks for In-District Residents

Residents of Community College District 522 desiring to enroll in a curriculum or program not available at SWIC may apply for tuition assistance (chargeback) to attend another community college in Illinois which offers that curriculum. For more

Tuition and Fees (continued)

information, refer to the Interdistrict Cooperative Agreement section

Financial Aid and Scholarships (continued)

Federal Programs

Federal Pell Grant

Eligibility for the Federal Pell Grant is established by the Department of Education. Students must submit the Free Application for Federal Student Aid annually; applications are available in October for the following academic year at fafsa.ed.gov. Visit the Financial Aid, Veterans Services and Student Employment office for more information. You may also contact your local high school counselor or the Educational Opportunity Center in your area.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The FSEOG is a federal grant awarded by the Financial Aid and Student Employment office to the neediest Pell-eligible students. FSEOG funds are limited and awarded on a first come, first served basis. Eligibility is also established by the Department of Education by means of the FAFSA.

Federal Direct Loan Program

To participate in educational loan programs, students must complete the FAFSA, meet federal eligibility requirements, be enrolled in a minimum of six eligible semester credits, meet Financial Aid Satisfactory Academic Progress requirements and enrolled in an eligible program.

Students may borrow subsidized and/or unsubsidized Federal Student Loans, dependent upon financial need and borrowing history through the Department of Education. The federal government pays the interest on the subsidized Federal Direct Loans while the student is in college. Repayment, with a low interest rate, begins six months after the borrower ceases to be enrolled at least half time.

Non-need-based loans are the unsubsidized Federal Direct Loan and Federal Parental Loan for Undergraduate Students (PLUS). For more information on loan programs, visit swic.edu/financial-aid-loans.

Illinois State Programs

Illinois Student Assistance Commission

The Illinois Student Assistance Commission Monetary Award Program provides grants to eligible Illinois residents attending Illinois colleges. Awarded based on need determined by federal and state need and these grants pay up to 100 percent of tuition costs for eligible students. To apply, students must annually submit the FAFSA.

Workforce Innovation and Opportunity Act

WIOA provides training funds for eligible dislocated workers and adults who meet WIOA eligibility guidelines. Applicants attend an eligible full-time program, and meet the financial aid satisfactory progress requirements set by the college. For more information on WIOA funding, call the Workforce Development Division at 618-235-2700, ext. 5466.

Southwestern Illinois workNet Center – Resource Room

The Resource Room may be used by the public to create online and paper resumes, and search job and career websites such as Illinois workNet. Information on WIOA job training is available. The

Resource Room has tutorials to practice skills before interviewing. The Resource Room is located on the Belleville Campus in the Information Sciences Building in Room 1140. For information, call 618-235-2700, ext. 5183.

PALS (Personal Advocate Linking Services)

The PALS program supports each student's endeavors and encourages each student's success by linking students to educational and community resources.

PALS services include:

- Financial aid form, FAFSA, assistance
- Employment consultation, job skill assessment
- Career and mentor programs
- Referrals to campus and community services
- DHS link for information, updates and monthly reports
- PALS Page (newsletter)
- Support and encouragement needed for success

Financial Aid Satisfactory Academic Progress Requirements

To be eligible for most financial assistance at SWIC, students must meet the Financial Aid Satisfactory Academic Progress requirements mandated by federal regulation. Students are

Academic Advising

swic.edu/advising

All students should confer with an academic advisor when they first enroll at SWIC.

Courses and programs should always be carefully selected with the assistance of an academic advisor to ensure applicability toward the student's program requirements and the most effective

Admission Information (continued)

Units/ Years	Subjects	
4	English (written and oral communications)	<p>results of this placement exam may determine future coursework, it is important to prepare well and take it seriously. Students are allowed to retest once in each discipline if they have not enrolled in a class in that discipline. If a student retests then the higher of the two scores is used for placement. Proof of Geometry completion and/or additional courses may be required to enroll in math courses numbered 112 and above.</p> <p>Some of the SWIC Health Sciences programs may require additional testing before acceptance into a program. Please refer to program pages for more details.</p>
2	Mathematics (geometry plus one after geometry)	
3	Social Studies (emphasizing history, government, geography, others also apply)	
3	Science (two of which must be laboratory sciences)	
1	Electives (Foreign Language, Music, Art, or Vocational Education)	
2	Additional coursework from any of the above	

Please note: Students ~~enrolled~~ at the college prior to the Fall 1993 Semester are EXEMPT from the admission requirement process.

Assessment and Remediation

Students who are unable to provide a high school transcript or do not meet the requirements above will be provisionally admitted subject to assessment/remediation of deficiencies as outlined as follows.

English and Math

All students seeking to enter the Associate in Arts, Associate in Fine Arts, Associate in Engineering Science, Associate in Science or Associate in General Studies degree program will be assessed and placed in English and math classes. Assessment scores identify which English and math classes the student will be required to complete. Information regarding assessment is available in the Testing Center, 618-235-2700, ext. 5182.

Social Science

Students who are lacking appropriate high school courses in social science will be required to meet the AA/AFA/AES/AS admission requirement by achieving a minimum grade of C in a college social science course.

Science

Students who are lacking appropriate high school courses in science will be required to meet the AA/AFA/AES/AS admission requirements by achieving a minimum grade of C in a college life science course with a lab and/or college physical science course with a lab.

Math and English Course Placement

The main goal of the placement process for SWIC students is to gather information about current skills. This process will not prohibit a student from entering college, but determines the math and English competency levels for each student. Many courses require specific math and/or English competencies to enroll.

Math and English are disciplines that require thinking and reasoning skills, so starting with the right courses is essential for success in future classes. Improving these skills will be necessary throughout a student's educational career and of great importance throughout life.

The SWIC Placement Test is available at each SWIC campus. Once students have completed the New Student Information Form and received their SWIC Student ID number, they may go to any SWIC Testing Center and take the SWIC Placement Test. For locations and hours, visit the Testing Center section in this catalog or go to swic.edu/testing-center. This placement exam identifies skill levels in math, reading and language usage. Since

In addition to the SWIC Placement Test, ACT scores of 20 or higher (or SAT equivalent scores) on the mathematics and English test scores could result in placement into the first college-level (i.e., for college credit) math and English courses. PARCC scores may also be considered. Further testing may result in a higher placement.

Following the placement process, it is recommended that students meet with an academic advisor in an individual appointment to discuss placement results, individual needs, academic plans and class schedules. Visit the Academic Advising website (swic.edu/advising) for locations, hours, and contact information.

Who needs a math and/or English placement?

- New students taking one or more college credit classes.
- Students taking a math or English course for the first time.
- Students wishing to enroll in classes which require specific English and/or math competency levels.
- All students MUST be assessed prior to accumulating more than 12 baccalaureate semester credits.

Who will be exempt?

- Students who have successfully completed an appropriate college-level math and English courses at another college or university.
- Students enrolling in certificate programs or classes that do not require math or English competencies.

If students believe they are exempt, they must see an academic advisor or the appropriate department chair or dean to obtain written permission before enrolling. Students are required to bring documentation of previous college coursework (transcript, grade report, etc.) or ACT/SAT scores. Students should allow adequate time for the evaluation of transcripts. Any questions should be addressed to advisors at the Belleville or Sam Wolf Granite City campus.

Geometry Requirement

Students who wish to enroll in MATH 105, MATH 106, MATH 112 or MATH 114 need to meet the geometry requirement. This requirement may be met by:

- Providing a high school transcript showing successful completion of two semesters of high school geometry at a regionally accredited school
- Showing proficiency by testing with the Math department chair
- Completing MATH 96 with a grade of C or better

English Course Placement Sequence

English courses are also prerequisites for many courses in other subjects.

GSBS 60 Reading
See Director of Adult Ed
for approval

GSBS 64 Writing
See Director of Adult Ed
for approval

ENG 91
Reading Comprehension

ENG 101

Rhetoric & Composition I

Eligibility determined by SWC Placement Test Proficiency Exam or Portfolio; successful completion of all required reading and writing developmental courses

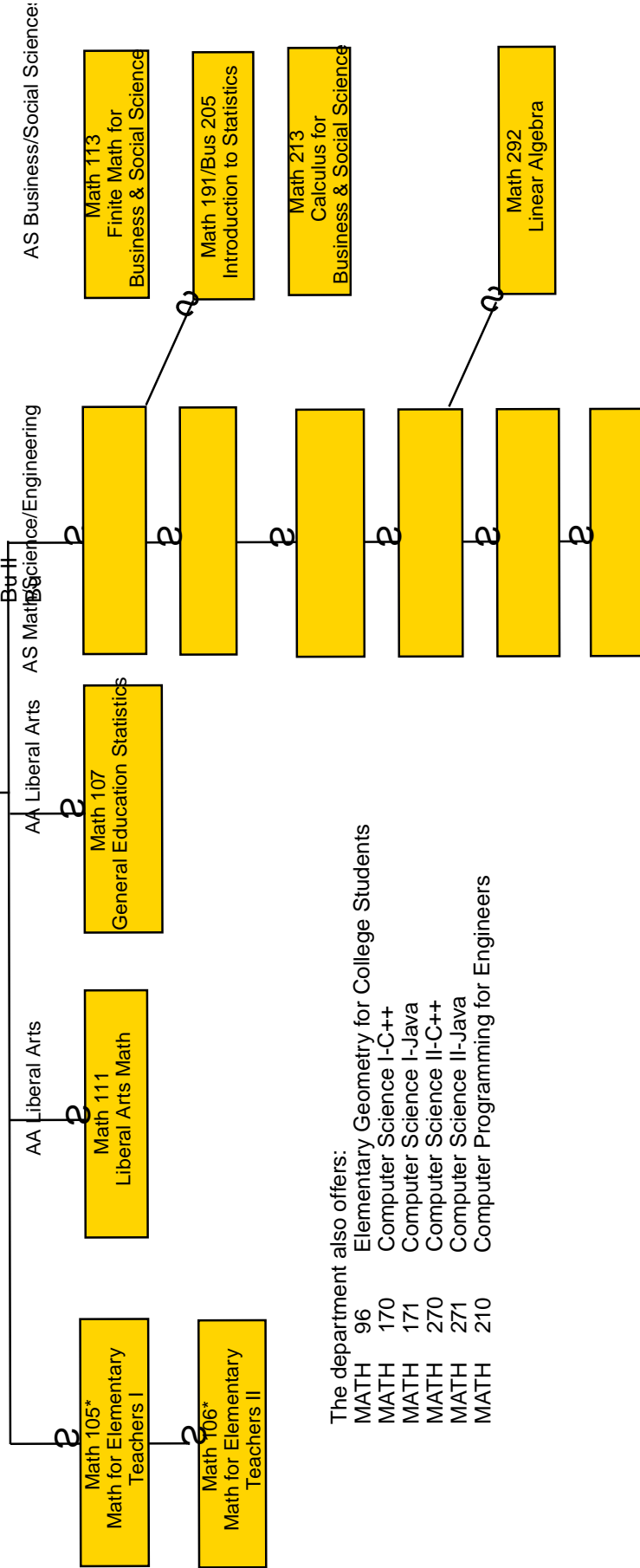
Math Sequence

Implementation

Placement into mathematics courses is based on score on the SWIC Placement Test/SAT math sub-score, or prior college course work.

- Level 1 Math 93
- Level 2 Math 94
- Level 3 Math 97
- Level 4 Math 105, Math 107, Math 111, Math 112
- Level 5 Math 113, Math 114, Math 191, Math 213
- Level 6 Math 203

Geometry is also a requisite for these courses. This requirement may be met with completion of Math 96 with a C or better, successful completion of one year of high school JHPHWU\ DW D a a) §§ p 0 D A| D y be eC mathematics(re)1(q)10(u)1(ire)1(me)1(ns.)JTJ -0.0221 8.75(



The department also offers:
 MATH 96 Elementary Geometry for College Students
 MATH 170 Computer Science I-C++
 MATH 171 Computer Science I-Java
 MATH 270 Computer Science II-C++
 MATH 271 Computer Science II-Java
 MATH 210 Computer Programming for Engineers

To enroll in any of the above mathematics classes you must complete or place out of all the courses listed prior to it in the sequence

Admission Information (continued)

Admission to Health Sciences Programs

Special Application for Admission forms (available in District 522 high school guidance offices, at each SWIC campus and online in the eSTORM Student Center) are used to apply for the following programs:

- Health Information Technology
- Medical Assistant
- Medical Billing & Coding
- Medical Laboratory Technology
- Nursing Education
- Paramedic
- Physical Therapist Assistant
- Radiologic Technology
- Respiratory Care

Specific information for each program is available from the program's Application Planning Guide available online at swic.edu/health-sciences and in the Programs that Lead Directly to Employment section of this catalog (blue pages).

International Student Admission

International students will be considered for admission to SWIC after the following documents are received by the designated school official at least 90 days prior to the start of the semester in

Admission Information (continued)

Although SWIC uses Student ID numbers as the primary method of identification in the student records system, students are required to submit their Social Security number when completing the New Student Information Form. Students must enter their full name and Social Security number exactly as it appears on their Social Security card or face potential penalties from the IRS. The SSN is retained in a secured field on the student system and can be viewed by limited staff. The SSN is required for:

- Setting up an eSTORM account, where the student can enroll, run a degree audit, order a transcript and view other important financial and academic information.
- Search/match. When entering a new record into the database, the SSN is one of the “keys” or data elements, in addition to the date of birth and name, utilized by SWIC’s student information system to perform a match on a record in order to guard against duplicate entries of the same student.
- Enrollment verification. The National Student Clearinghouse requires the SSN for enrollment verification purposes.
- SWIC must comply with Illinois state auditors when reporting enrollment data. The SSN is required by the Illinois Community College Board as part of the reporting process.
- Financial Aid. The FAFSA requires that the student provide the SSN before aid can be processed.
- Veteran and government sponsored tuition assistance programs. The SSN is required for certification of benefits and tuition payments.
- 1098T. SWIC must obtain your correct identifying number or SSN to file certain returns regarding tuition and related expenses with the IRS and to furnish a statement to the student. Without the SSN, students will not receive a 1098T federal income tax document, which SWIC is mandated by the IRS to issue annually to each student for income tax purposes. In addition to the institution being fined for filing incomplete information, individuals may be subject to a fine for failing to provide an institution with their SSN and their full name EXACTLY as it appears on your Social Security card.

Course Numbering System

Courses numbered 100-199 are first-year or freshman-level courses. Courses numbered 200-299 are second-year or sophomore-level courses. Courses numbered below 100 are developmental, general studies or refresher courses and do not count toward graduation requirements. Credit may not be earned beyond the number of hours indicated.

Course Credit

Credit is awarded as semester credits. The number of hours earned for completion of each course is indicated with the course description in this catalog.

Admission Information (continued)

MA	192, 195, 243, 255
MATH	All courses
MLT	245, 275
MT	All courses
OAT	260, 293
PHYS	All courses
PTA	170, 270, 280
RT	112, 152, 160, 241, 242, 298, 299

Audit by Permission Courses

ACRT	All courses
AVIA	All courses except internships
AVMT	All courses
CAD	All courses
EET	All courses
FS	All courses
HIT	All courses
HORT	All courses except internships
HRO	105, 299
HVAR	All courses
MA	All courses except 192, 195, 243, 255
MLT	150, 200, 210, 220, 240, 250, 260, 270
NE	All courses
PARL	All courses
PTA	All courses except 170, 270, 280
RC	All courses
RT	All courses except clinical courses
SLS	All courses
WLDT	All courses

Enrolling for Audit Status

Students wanting to audit a course must wait until after the class has begun to register. Audit registration must be completed in person at one of the three campuses or at Scott AFB, as an Audit Request Form must be completed by the student.

If the student wishes to register for an Audit By Permission Course(s), he/she should visit the appropriate department and request approval of the department chair or program coordinator and the dean using the Restricted Audit Approval Form which is available in that department.

There is no difference in tuition or fees when auditing a class. Once a student is registered, changing from audit to credit status and vice versa is not permitted. Students will not be admitted to a class at maximum capacity. Audit classes are not considered for financial aid eligibility.

Please remember that audited classes cannot be used at a later date for college credit or to fulfill admission or graduation requirements.

Repeating Courses

Some courses may be repeated in an attempt to improve a grade. When a course is repeated, only the most recent attempt is counted toward program requirements at SWIC. However, all attempts will remain part of your permanent academic record at SWIC. It is important to note that each school has its own policy on the way that repeated courses are calculated into a grade point average. Check with transfer institutions prior to admission in order to determine calculation rules.

It is important to note that some classes have been identified by SWIC and approved by the Illinois Community College Board as "repeatable" classes. In this case, the class would be factored into a student's grade point average each time it is repeated up to the allowable limit. As stated in the previous paragraph, it is important to check with transfer institutions prior to admission in order to determine calculation rules.

Course repeatability can adversely affect your financial aid eligibility, and you should contact the Financial Aid office to see how repeating a course could affect your eligibility.

Dropping Courses

swic.edu/course-information

If a student wishes to withdraw from a class, the student must submit a Drop/Add Section Change Form to the Enrollment Services office in person or by mail or complete the process online at estorm.swic.edu. Students should not assume they are withdrawn from a class in good standing if they do not attend the class. Drop/Add Section Change Forms are available in the Belleville Campus Enrollment Services office, and the Sam Wolf Granite City Campus offices. Students who submit withdrawal notification by mail will be withdrawn from class as of the postmark date on their notification. Withdrawals will not be accepted by telephone.

Deadlines for withdrawal are based on the meeting patterns of the class. Withdrawal deadline for classes scheduled to meet seven days or longer reflect 85 percent of the scheduled meeting patterns. Withdrawal deadlines for classes scheduled to meet one to six days are one day prior to the first meeting date. Students should refer to their schedule for specific withdrawal dates.

Any student dropped with an effective date prior to the midterm date of the class will receive a W. If the effective date of the withdrawal is after the midterm date of the class, the instructor may assign a W or a WF grade.

Transfer Information

Acceptance of Credit

Transfer Credit

swic.edu/transfer-credit

Students who have previously completed college coursework with a grade of D or better can request to have their transcripts evaluated toward a degree or certificate at SWIC. Transfer credit grades are not included in the cumulative grade point average. Transfer credit may be accepted from another college or university that is regionally accredited by any of the following associations:

HLC	Higher Learning Commission
MSCHE	Middle States Association of Colleges and Schools Middle States Commission on Higher Education
NASC	Northwest Association of Schools and Colleges
NEASC-CIHE	New England Association of Schools and Colleges Commission on Institutions of Higher Education
NEASC-CTCI	New England Association of Schools and Colleges Commission on Technical and Career Institutions
NWCCU	Northwest Commission on Colleges and Universities
SACSCOC	Southern Association of Colleges and Schools Commission on Colleges
WASC-ACCJC	Western Association of Schools and Colleges Accrediting Commission for Community and Junior Colleges
WASC-WSUC	Western Association of Schools and Colleges Senior College and University Commission

Steps to having your transcripts evaluated:

- A. Submit a New Student Information form to Enrollment Services
- B. Request official transcripts be sent to Enrollment Services from each institution attended
- C. Submit a Transfer Credit Evaluation via eSTORM Student Center.

When the required documentation is received, an official evaluation of the student's coursework will be completed. Check your student center "To Do List" for your final evaluation results.

A course that meets general education requirements at SWIC will be accepted in transfer to meet comparable general education requirements. If transferring credit that is repeated, coursework will be evaluated based on the most recent completion and the institutional repeat process for the SWIC equivalent coursework. College-level courses that are not direct equivalents will be evaluated for elective credit. Credits accepted in transfer do not necessarily apply to all certificates or degree programs. International students should refer to the International Student Admissions section of the catalog.

Proficiency Examinations

Proficiency examinations may be taken in some courses or programs upon petition by the student. These examinations may be taken only with the approval of the instructor/coordinator, dean and vice president for Instruction. They are available to those students who, in the judgment of the responsible college officials,

possess the requisite background knowledge as a result of previous coursework, experience, or a combination of coursework and experience.

For ENG 101, interested students should seek additional information from the writing program director in the English Department (618-235-2700, ext. 5327).

Students authorized to take proficiency examinations will be required to pay a nonrefundable 50 percent tuition charge. If the student is successful, the 50 percent tuition charge will apply to his/her total tuition for the course. This fee is payable at the time they submit their applications.

Students who successfully complete proficiency examinations will have the credit recorded on their college transcripts with the designation PC (proficiency credit). A letter grade will not be recorded and the credits will not be included when computing grade point averages; however, they may be applied toward graduation requirements. A student can earn a maximum of 16 semester credits through proficiency examinations. Information about specific proficiency examinations is available from the dean of the division to which the academic program is assigned.

Proficiency examinations are given in accordance with the following restrictions:

-

Transfer Information (continued)

Advanced Placement

Language B SL

4, 5, 6, 7

General Electiv

4

Transfer Information (continued)

CLEP General Examination (June 2001 and Prior)	Score	SWIC Course Equivalent	Semester Credits Granted
Humanities	500	General Humanities	3 hours
Natural Sciences	500	General Elective	4 hours
Social Sciences & History	500	Social Science	3 hours

CLEP General Examination (July 2001 – Present)	Score	SWIC Course Equivalent	Semester Credits Granted
Humanities	50	General Humanities	3 hours
Natural Sciences	50	General Elective	4 hours
Social Sciences & History	50	Social Science	3 hours

2 + 2 Articulation Agreements

SWIC has developed a number of 2+2 Articulation Agreements with four-year universities to allow for seamless transfer into specific major areas. These agreements list coursework to be completed during the two years at SWIC which will guarantee entry at the junior level upon transfer. Please visit swic.edu/articulation to learn more about 2+2 Articulation Agreements.

Chamberlain = Chamberlain College of Nursing
 EIU = Eastern Illinois University
 Greenville = Greenville College
 Maryville = Maryville University
 McKendree = McKendree University

Park = Park University
 Midstate = Midstate College
 SIUC = Southern Illinois University Carbondale
 SIUE = Southern Illinois University Edwardsville
 Webster = Webster University

College	SWIC Degree	Major	Dates in Effect
Chamberlain	AAS Nursing Education	BS Nursing	January 2015 - December 2019
EIU	AA	BA Communication Studies	August 2018 - July 2022
EIU	AA	BA Psychology	August 2018 - July 2022
EIU	AA	BS Geography	August 2018 - July 2022
EIU	AA	BS Accounting	August 2018 - July 2022
EIU	AA	BS Finance	August 2018 - July 2022
EIU	AA	BS Management	August 2018 - July 2022
EIU	AA	BS Management Information Systems	August 2018 - July 2022
EIU	AA	BS Marketing	August 2018 - July 2022
EIU	AA	BS Business Administration	August 2018 - July 2022
EIU	AAS Administration of Justice	BA Criminology and Criminal Justice	August 2018 - July 2022
EIU	AAS Administration of Justice	BA Sociology	August 2018 - July 2022
EIU	AS	BS Applied Mathematics	August 2018 - July 2022
EIU	AS	BS Biology	August 2018 - July 2022
EIU	AS	BS Geography	August 2018 - July 2022
EIU	AS	BS Geology	August 2018 - July 2022
EIU	AS	BS Pure Mathematics	August 2018 - July 2022
Greenville	AA	BS Elementary Education	August 2015 - Until Termination
Maryville	AAS Health Information Technology	BS Healthcare Practice Management	August 2016 - July 2020
Maryville	AAS Medical Assistant	BS Healthcare Practice Management	August 2016 - July 2020
Maryville	AAS Medical Billing & Coding	BS Healthcare Practice Management	August 2016 - July 2020
Maryville	AAS Physical Therapist Assistant	BS Healthcare Practice Management	August 2016 - July 2020
Maryville	AAS Radiologic Technology	BS Healthcare Practice Management	August 2016 - July 2020
Maryville	AAS Respiratory Care	BS Healthcare Practice Management	August 2016 - July 2020
McKendree	AA	BA BioPsychology	August 2016 - July 2020
McKendree	AA	BA Global Studies	August 2016 - July 2020
McKendree	AA	BA International Studies	August 2016 - July 2020
McKendree	AA	BA Political Science	August 2016 - July 2020
McKendree	AA	BA Psychology	August 2016 - July 2020
McKendree	AA	BA Criminal Justice	August 2016 - July 2020
McKendree	AA	BA Sociology	August 2016 - July 2020
McKendree	AA	BA Social Work	August 2016 - July 2020
McKendree	AA	BBA Business Administration	August 2016 - July 2020
McKendree	AA	BBA Economics	August 2016 - July 2020
McKendree	AA	BS Elementary Education	August 2016 - July 2020
McKendree	AAS Nursing Education	BS Nursing	August 2016 - Until Termination
Midstate	AAS Health Information Technology	BS Health Information Administration	August 2018 - July 2022
Midstate	AAS Medical Billing & Coding	BS Health Information Administration	August 2018 - July 2022
Park	AA	BS Criminal Justice	August 2016 - July 2020
Park	AA	BS Management	August 2016 - July 2020
Park	AA	BS Management/Human Resources	August 2016 - July 2020
Park	AA	BS Psychology	August 2016 - July 2020
Park	AAS Nursing Education	BS Nursing	August 2016 - July 2020
Park	AS	BS Management	August 2016 - July 2020
Park	AS	BS Management/Human Resources	August 2016 - July 2020
SIUC	AA	BA Economics	August 2018 - July 2023
SIUC	AAS Aviation Management	BS Aviation Management	August 2018 - July 2023
SIUC	AAS Aviation Maintenance	BS Aircraft Maintenance	August 2018 - July 2023

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College	SWIC Degree	Major	Dates in Effect
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Transfer Information (continued)

DANTES

SWIC may grant credit for the successful completion of DANTES Subject Standardized Tests. Subject Exams will be reviewed for possible credit if the score is at or above the 50th percentile.

Seal of Biliteracy

SWIC will accept the State Seal of Biliteracy as equivalent to two years of foreign language coursework taken during high school if a student's high school transcript indicates that he or she will be receiving or has received the State Seal of Biliteracy. Students who have received a State Seal of Biliteracy must request course credit for their seal within three academic years after graduating from high school.

Veteran Service Transfer Credit

The law requires that appropriate credit is granted for all previous education, training or experience. It is your responsibility to ensure all applicable transcripts are received. Failure to have transcripts evaluated can result in termination of VA educational benefits retroactive to the beginning of the semester in which you entered SWIC or the beginning of the semester in which you requested a Change of Program, regardless of whether or not you are currently enrolled. Retroactive termination results in an overpayment of benefits that you may have to pay back to the Department of Veterans Affairs.

Any current member of the U.S. armed forces, U.S. reserves, National Guard, or eligible veteran who has successfully completed basic training may be granted two hours of credit for health (HES 151 or HES 152) and two hours of credit for physical education upon submission of his or her form DD-214 or the equivalent thereof.

Eligibility for Transfer

Universities and colleges set standards of eligibility for admission of transfer students. Usually a student can transfer from SWIC to a four-year college or university after one or more semesters of work with a grade point average of C or better and if courses count toward a degree at the applied college. Students should decide as soon as possible where to transfer and check that college's admission and course requirements with an academic advisor.

International Transcript Evaluation

Students who have completed coursework from a foreign institution may request that their credit be evaluated toward a degree or certificate. To request an evaluation, students must:

- Complete a Transfer Credit Evaluation Form via eSTORM Student Center.
- Submit an official transcript report in English from one of the following services: ECE/Education Credential Evaluators or WES/World Education Services. More information can be found at www.ece.org or www.wes.org. SWIC will utilize the report as a guideline for the evaluation of coursework and reserves the right to award appropriate credit.
- When all documents are received, your transcripts will be reviewed by an academic records evaluator to determine if any courses would apply toward your intended program. Additional information, such as course descriptions may be requested to determine the appropriate equivalency.
- Courses accepted for credit will be applied to your SWIC transcript.
- Check your student center "Do List" for your final evaluation results.

Transfer Information (continued)

Recommended Steps and Timeline to Transfer to Four-Year Institutions

Do you plan to transfer from SWIC to a four-year college or university?

Whether you are enrolling in your first SWIC course or applying to graduate, the Enrollment Services office can help you prepare for a successful transfer. Please see an academic advisor for further information on these Steps to Transfer to Four-Year Institutions.

Step 1

- 9** Determine your transfer plans and major/career goals (0-16 semester credits)
- Meet with an academic advisor to create an outline of your SWIC coursework. Learn about degree requirements and transfer guides for transfer institutions you are considering. At four-year institutions, most majors prefer that you complete your requisites before you transfer.
 - Visit the Career Activities and Employment Center to research careers and find a career mentor.

Step 2

- 9** Explore your transfer options (0-32 semester credits)
- Meet with an academic advisor to discuss admission requirements, course transferability, majors, size, location, diversity, cost, etc. of the transfer institutions you are considering.
 -

Step 3

- 9** Apply to your transfer institution(s) and complete your SWIC graduation application (33-48 semester credits; 9-12 months in advance)
- Submit your SWIC Graduation Application
 - Select 4-6 transfer institutions that best fit your needs and apply early.
 - Follow directions and submit neat, complete applications. Search online applications. Ask if you must apply BOTH for general admission and for your specific major. Keep a copy of all materials. Follow up to ensure your applications is complete.
 - Pay transfer application fee, if applicable.
 - Request that official transcripts be sent to the transfer schools from your high school, SWIC and any other institution(s) you have attended. Request a copy for your records. After your last SWIC semester, send a final transcript. Remember the fees and waiting periods.
 - If required, ask for letters of recommendation. Provide all materials to your references, including a stamped envelope.

Step 4

- 9** Apply for financial aid and scholarships (33-48 semester credits)
- Complete a FAFSA after Oct. 1 (of the year in which you will transfer) listing the FAFSA code(s) for each transfer institution you are considering.
 - Research and apply early (deadlines may be months in advance) for any scholarships offered by your transfer institution(s) as well as your employer, civic/church groups and private organizations. Free scholarship searches are available at:
www.collegezone.com
www.collegeboard.org
www.studentaid.ed.gov

Step 5

- 9** Choose your college or university and enroll (48-64 semester credits)
- Register for classes, purchase textbooks, obtain a student ID, etc.
 - Attend orientation, locate housing, find a job and explore your new college or university.

Transfer Information (continued)

Transfer to an Illinois College or University

Illinois Articulation Initiative

SWIC is a participant in the Illinois Articulation Initiative, a statewide agreement that facilitates transfer of the completed Illinois Transferable General Education Core Curriculum between participating institutions. Completion of the General Education Core Curriculum at any participating college or university in Illinois assures transferring students that lower-division general education requirements for an associate or bachelor's degree have been satisfied. This agreement is in effect for students entering an associate or baccalaureate degree-granting institution as a first-time freshman in summer 1998 (and thereafter). The following IAI codes identify qualifying general education courses:

- IAI C (Communications)
- IAI F (Fine Arts)
- IAI H (Humanities)
- IAI S (Social/Behavioral Sciences)
- IAI M (Mathematics)
- IAI P (Physical Sciences)
- IAI L (Life Sciences)

The Illinois Articulation Initiative also includes recommended freshman and sophomore-level programs of study for specific majors in the Illinois Baccalaureate Majors' Curricula. The Baccalaureate Majors' Recommendations build on the transferable General Education Core Curriculum by identifying major and requisite courses that students need to complete to transfer as a junior (that is, with a minimum of 60 transferable semester credits) into the specific major. Each major recommendation explicitly encourages community and junior college students to complete an AA or AS degree prior to transfer.

Transfer Information (continued)

LIT 216

Transfer Information (continued)

MATH	292	Linear Algebra (IAI-MTH 911)	3
MCOM	201	Introduction to Mass Communication (IAI-MC 911)	3
MKT	242	Principles of Advertising (IAI-MC 912)	3
PHYS	204	Physics – Mechanics (IAI-P 911)	4
PHYS			

Academic Regulations

Academic Standards

A minimum of a 2.0 cumulative grade point average is required for an associate degree or certificate at SWIC.

Grades are issued at the close of each semester on a letter basis indicating the quality of academic work and student achievement.

Grade points are assigned to each credit earned in 100- to 200-level classes according to the grade received as follows:

Grade		Grade points per credit
A	Superior	4
B	Good	3
C	Average	2
D	Poor	1
F	Failing	0
I*	Incomplete	0
W	Withdrawn	0
WF	Withdrawn/Failing	0
P	Passed	0
AU	Audit	0
CR	Credit A	

Academic Regulations (continued)

- Probation: A status for a specific period of time which places the student on notice that further misconduct may result in a more serious penalty.
- Social Probation: Probationary status that also restricts the

Academic Regulations (continued)

In grievances involving academic matters, including grading, the student should first consult with the instructor concerned. Every attempt should be made to resolve the grievance on an informal basis. If necessary, the student should process a grievance through the levels of department head/coordinator, dean, vice president for Instruction and college president. At the Sam Wolf Granite City Campus, the dean of Technical Education may be consulted. At the Red Bud Campus, contact the appropriate department chairperson.

In grievances involving administrative matters, the student should attempt to resolve the complaint on an informal basis

Career Services

swic.edu/career-services

Career Services offers assistance leading to opportunities for career success. Students and alumni are welcome to use the Career Development Laboratory.

Career Services offers the following services to students and alumni:

- Career assessments
- Online job matching through College Central Network
- On-campus recruiting and job fairs
- Resume and portfolio, and social media networking assistance
- Interview workshops and practice interviews
- Job search, resume, and interviewing workshops
- Internship assistance
- Leadership and career readiness training and placement

Disability & Access Center

swic.edu/disability

The Disability & Access Center offers special population students a range of support services to assist in their college learning experience. The center works with college departments and community agencies throughout the college district to help students overcome barriers and attain success.

The students served by the Disability & Access Center include students with disabilities and veteran students with disabilities, as well as vocational students with economic challenges, individuals preparing for nontraditional training and employment, single parents, displaced homemakers, and individuals with limited English proficiency.

Important Information for Students with Disabilities:

1. Documentation of a disability is needed for obtaining reasonable accommodations;
2. It is recommended that students with disabilities needing accommodations schedule an appointment with the Disability & Access Center 4-6 weeks prior to enrolling in classes;
3. Students eligible for and wanting accommodations must contact the Disability & Access Center each semester.

Accommodations/Support Services:

- Individual appointments to develop or update a Comprehensive Support Services Plan
- Community agency referrals
- Faculty consultations
- Agency and high school consultations
- Accommodation services for students with disabilities:
 - Accommodated testing labs and services
 - Adaptive technology lab and devices
 - Alternative format textbooks/classroom materials
 - Readers/note takers/scribes
 -

Student Support Services (continued)

eSTORM Services

Registration, tuition payment and other student services are available online. To register for an eSTORM services account, students will need their Student ID number, Social Security number and date of birth. Information available online will include:

- Account Statement – students can view the details of charges and credits posted to their account as it happens.
- Enroll in a Payment Plan
- 1098-T – students can view and print these tax forms.
- Make a Payment – students can make a tuition payment.
- Course Schedule – students can view and print current and past course schedules.
- Final Grade Report

Student Support Services (continued)

Food Services

The Café and Starbucks® at the Belleville Campus are operated by ARAMARK Corporation. The Café offers full-service grill items, hot entrees, pizza, soups, deli, salads and desserts, and fountain and bottled beverages. Starbucks® offers hot and cold beverages, sandwiches, parfaits and pastries.

Free Wi-Fi access is available to SWIC students in the Cafe and nearby lounges with your Student ID and eSTORM password. Starbucks® offers free Wi-Fi to the public. No student credentials are needed.

HOURS AND LOCATIONS

Belleville Campus

The Café - Main Complex

Monday - Thursday 7:30 a.m. - 7:30 p.m.

Friday 7:30 a.m. - 2:00 p.m.

Starbucks® - Liberator's Complex

Monday - Thursday 7:30 a.m. - 7:30 p.m.

Friday 7:30 a.m. - 2:00 p.m.

Red Bird Campus – Coffee, soda and snack vending machines are

Perkins

swic.edu/cte-programs

Signed into law on Aug. 12, 2006, the Carl D. Perkins Career and Technical Education Improvement Act of 2006 (Perkins IV) provides continuing federal support for rigorous CTE programs that prepare students for today's competitive workforce. The act envisions that all students will achieve challenging academic and technical standards and be prepared for high-skill, high-wage or high-demand occupations in current or emerging professions. The act provides an increased focus on the academic achievement of career and technical education students, improves state and local accountability, and strengthens the connections between

Online Learning Opportunities

swic.edu/online-learning

Online Instruction

Online courses are taught with instructor-led communications taking place electronically via the internet. Students enrolling in online courses can often complete coursework in the comfort of their own homes – submitting assignments online. Some on-campus attendance may be required for specific courses as assigned by the instructor.

Hybrid Instruction

As an alternative to fully online courses, hybrid courses are a blend of face-to-face instruction with online learning. In a hybrid course, a significant part of the course learning is online and as a result, the amount of on-campus classroom attendance is reduced. See current class schedule for details.

IMPORTANT NOTE FOR STUDENTS ENROLLING IN ONLINE OR HYBRID COURSES

Computer competence is essential to being a successful student. Students enrolled in online or hybrid courses must be successful in using technology to complete coursework.

College Activities
swic.edu/college-activities

Scribbling, Inc.
For student authors and poets looking to share and develop their work

Right to Privacy – Family Educational Rights and Privacy (FERPA)
swic.edu/ferpa

Sign Language Club
Promotes the success of students pursuing a career in interpreting for the deaf and hard of hearing

In compliance with the Family Educational Rights and Privacy Act of 1974 (20 U.S.C. § 1232g; 34 CFR Part 99), SWIC students may review any of their records by completing a formal, written request to the Enrollment Services office.

Social Squad
For students that want to meet new people and make friends

Students may ask for a hearing to seek correction of information contained in the records, to clarify their meanings, or to insert into the records the student's explanation of the content of the record or a part thereof.

Promotes the appreciation of culture

Please note that school officials with a legitimate educational interest may access student educational records without prior consent. School officials at SWIC have been designated as administrators, faculty, full- and part-time employees or those contracted by the college to conduct business for the college. School officials must have a legitimate educational interest (a professional need to know) before accessing student records.

Promotes the appreciation of culture

SWIC considers the following to be a student's directory information: 1) name, 2) address, 3) enrollment status (full- or part-time), 4) dates of attendance at SWIC, 5) honors (including honor roll), 6) degree(s) conferred (including dates), 7) past and present sports participation, 8) physical factors of athletes (height and weight).

The college may use directory information internally as well as release it without prior consent. Anyone may prevent disclosure of directory information by submitting a Request to Prevent Disclosure of Directory Information form to the Enrollment Services office before the start of the third week of class each semester. This request will stay on file until removed by the student.

If a student does not specifically ask that directory information be withheld, the college will assume he or she approves the disclosure of that information.

SWIC retains the right to exercise discretion in determining the release of directory information.

Any student who has reason to believe that Southwestern Illinois College is not complying with the act or this policy should inform the dean of Enrollment Services in writing (Enrollment Services office, Belleville Campus, Information Sciences Building, Room 1050, 618-235-2700, ext. 5400). The right to file a complaint with the U.S. Department of Education may be exercised by contacting:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Ave., SW
Washington, D.C. 20202-5901
202-260-3887 – Telephone
202-260-9001 – Fax
ferpa@ed.gov – Email

Student Optional Disclosure of Mental Health Information

In accordance with Illinois Public Act 099-0278, the Student Optional Disclosure of Private Mental Health Act, Southwestern Illinois College will ensure that, at or near the time that an incoming student enrolls, he or she is provided the opportunity to authorize in writing the disclosure of certain private mental health information to a designated person.

Liability for Personal Property

SWIC does not assume any liability for personal property or tools left in or on SWIC property. Items are the responsibility of the student.

Department of Public Safety

swic.edu/public-safety

The Department of Public Safety provides services and programs to assist in establishing and sustaining a college environment that enhances the educational process and facilitates the accomplishment of the college's mission and goals.

The department emphasizes preventing crimes and violations of policy and providing numerous services to the college community. However, all duties related to the enforcement of SWIC Student Conduct Code and Illinois Criminal and Traffic Codes are the responsibility of the Public Safety department. The college receives law enforcement support and services from the respective municipal and county law enforcement agencies in whose jurisdictions the campuses are located. The Public Safety department maintains a cooperative relationship with supporting local, state, and federal public safety agencies. The Department of Public Safety has offices on the Belleville and Sam Wolf Granite City campuses. The campus executive director administers the Public Safety program on the Red Bud Campus.

SWIC operates as a public community college. The facilities are accessible to the public for all approved legitimate purposes. Persons entering or utilizing the facilities are subject to request for acceptable identification and required compliance with the rules, regulations and laws applicable to the college.

Campus Security Policies and Crime Statistics: Pursuant to the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, previously known as the Federal Student Right-to-Know and Campus Security Act of 1990 and Higher Education Opportunity Act of 2008, the Department of Public Safety publishes and distributes an annual Campus Security Report and Fire Safety Report by October of each year. The CSR lists the campus crime statistics, on campus and surrounding public property, and noncampus facilities, for the previous three years. CSR/FSR also outlines the Public Safety department's authority, security policies, procedures for reporting crime, procedures for reporting sexual assaults/sexual offenses/sexual offenses and follow-up services; counseling and treatment services; crime prevention programs; accessibility of campus facilities; and Substance Abuse Policy; and 2008 revisions of the Higher Education Opportunity

Act with specific additions to hate crime reporting; emergency response and evacuation procedures; missing student notification; and fire safety issues for institutions that maintain an on-campus student house facility; and the Violence Against Women Act Reauthorization of 2013 amendments to the Clery Act, specifically addressing domestic violence, dating violence and stalking. The annual CSR/FSR can be accessed via the Southwestern Illinois College website at swic.edu/public-safety-csr, or a copy of the CSR/FSR can be obtained by contacting the Public Safety department at 618-235-2700, ext. 5221 or writing the director of Public Safety, 2500 Carlyle Ave., Belleville, IL 62221.

Services Provided: The Department of Public Safety provides the following services: vehicle registration (parking permits), Student ID cards, access to locked vehicles, vehicle jump starts, personal escorts on campus, first-aid, lost and found, engraving items for identification, crime prevention programs, and courtesy/emergency message delivery. SWIC does not assume any liability for personal property damage when providing requested services.

Sexual Assault Awareness Education: In Accordance with Public Act 95-0764/Violence Against Women Act Reauthorization:

Please use the links below to download and read the PDF files, "Being Safe on Campus" and "Domestic-Dating Violence." These files are intended to provide you with vital information about sexual assault, domestic and dating violence awareness and stalking. The files are being provided in accordance with Public Act 95-0764, Education-Sexual Assault Awareness and Violence Against Women Act (VAWA) Reauthorization of 2013. For additional information, feel free to call Public Safety at 618-235-2700, ext. 5221, or 866-942-SWIC (7942), ext. 5221.

- Being Safe on Campus
swic.edu/sexual-assault-awareness
- Domestic-Dating Violence:
swic.edu/domestic-dating-violence

New Online Training: The VAWA of 2013 introduced many changes to the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act. Public Safety along with the Title IV coordinator developed and coordinated online training to fulfill the statutory requirements of Public Act 88-629 & 95-764 (Illinois) and the VAWA of 2013. The online training is directed at students and new employees. However, the information is valuable to all employees. The online training will take approximately 40 minutes to complete. To access training, go to your eSTORM account and look for the Violence Against Women Act Training.

Parking Permits: For students, faculty, and staff, parking is by permit only on the Belleville and Sam Wolf Granite City campuses. Proof of a valid driver's license is required before a permit can be issued. Permits are free and are issued by the Public Safety departments on these campuses or through the Student Development Office at the Red Bud Campus. Students attending the East St. Louis Community College Center must obtain either a

Degrees and Certificates

SWIC offers degrees in Associate in Arts, Associate in Fine Arts, Associate in Engineering Science, Associate in Science, Associate in Engineering Science, Associate in Applied Science, and Associate in General Studies. SWIC also offers certificates in some career and technical programs.

Students planning to transfer a degree from SWIC into a bachelors degree program at a four-year college or university should contact an academic advisor for information on specific degree requirements. The following transfer degrees are offered at SWIC:

Degree

Associate in Arts

Associate in Fine Arts – Art

Associate in Fine Arts – Music Education

Associate in Fine Arts – Music Performance

Associate in Science

Associate in Engineering Science

An Associate in Engineering Science degree is an award for the satisfactory completion of a prescribed curriculum intended to transfer to baccalaureate degree programs in engineering or another closely related field.

A minimum grade of C is required in ENG 101 for all SWIC degrees.

Associate in Arts

An Associate in Arts degree is an award for the satisfactory completion of a prescribed curriculum intended to transfer to baccalaureate degree major programs in areas such as arts, humanities, social or behavioral sciences or a professional field with these disciplines as a base.

Associate in Fine Arts (Art, Music Education, and Music Performance)

An Associate in Fine Arts degree is an award for the satisfactory completion of a prescribed curriculum intended to transfer to baccalaureate degree programs for students majoring in Art, Music Education or Music Performance. AFA students complete their general education requirements after transferring to a four-year college or university. Students who are interested in pursuing the AFA degree program should consult with a full-time faculty member in the appropriate major field or an academic advisor. A portfolio review is often required for admission into a BA or BFA in Art at a four-year institution.

Associate in Science

An Associate in Science degree is an award for the satisfactory completion of a prescribed curriculum intended to transfer to baccalaureate degree programs in areas such as mathematics, biological or physical sciences, or a professional field with these disciplines as a base.

Interdistrict Cooperative Agreements

SWIC has entered into a cooperative agreement with each of the following named college districts for programs of study leading to an Associate in Applied Science degree or certificate in Career and Technical Education which are not offered at SWIC.

- Black Hawk College
- Carl Sandburg College
- College of DuPage
- Danville Community College
- Elgin Community College
- Heartland Community College
- Highland Community College
- Illinois Central College
- Illinois Eastern Community College
- Illinois Valley Community College
- John A. Logan College
- John Wood Community College
- Joliet Junior College
- Kankakee Community College
- Kaskaskia College
- Kishwaukee College
- Lake Land College
- Lewis and Clark Community College
- Lincoln Land Community College
- McHenry County College
- Moraine Valley Community College
- Morton College
- Prairie State College
- Rend Lake College
- Richland Community College
- Rock Valley College
- Sauk Valley Community College
- Shawnee Community College
- Southeastern Community College
- South Suburban College
- Spoon River College
- Waubesa Community College

If a student is interested in enrolling in one of the programs included in the agreements, contact the secretary to the Board of Trustees at SWIC at 866-942-SWIC (7942), ext. 5247. The secretary will coordinate the request with the vice president for Instruction for approval.

PROGRAMS
THAT LEAD TO A

BACHELOR



Associate in Arts

Program Code: 0001

Description:

These requirements are for students who are majoring in one or more of the liberal arts and who plan to transfer to a four-year institution to complete a baccalaureate degree. The curriculum guides



Associate in Arts

Degree Requirements Checklist

Communications (total of 9 semester credits) A minimum grade of "C" is required in ENG 101 & 102
_____ ENG 101 _____ ENG 102 _____ SPCH 151

General Humanities (total of 3 semester credits)

_____ FILM 225	_____ LIT 125	_____
_____ FREN 202	_____ LIT 133	
_____ GERM 202	_____ LIT 134	
_____	_____ LIT 201	
_____	_____ LIT 202	
_____ LIT 113	_____	
_____	_____ LIT 213	
_____ LIT 120	_____ LIT 214	

Associate in Fine Arts/Art

Program Code: 0052

Description:

These requirements are for students who are majoring in Art and who plan to transfer to a four-year institution to complete a baccalaureate degree. AFA students complete their general education requirements after they transfer to a four-year college or university. Students who are interested in pursuing the AFA-Art degree program should consult with a full-time art faculty member or an academic advisor. A portfolio review is often required for admission into a BA or BFA in Art at a four-year institution. For more information, see the Art curriculum in this section.

Human Relations:

One of the following courses must be completed. The course that is selected may also be applied toward the Humanities or Social/Behavioral Science General Education requirement as applicable. For reference, these courses are listed in bold print in the general education areas.

- ___ Humanities: HIST 230, LIT 117, LIT 215, LIT 216
- ___ Social Science: HIST 180, HIST 181, POLS 150
- ___ Behavioral Science: PSYC 295, SOC 153, SOC 203, SOC 230

Admission:

Students wishing to pursue this degree may do so prior to being formally admitted to the program. However, all students must fulfill the admissions requirements, noted under the Admissions Information section of the catalog, prior to graduation.

Non-Western Culture:

One of the following courses must be completed. The course that is selected may also be applied toward the Humanities or Social/Behavioral Science General Education requirement as applicable. For reference, these courses are highlighted in the general education areas.

Terms:

Students have six years to complete the requirements for the program they have declared. If the requirements are not completed within six years, students will be required to meet degree requirements for the program in effect at that time. However, students not enrolled for three consecutive semesters (not including summer) must meet the curriculum requirements in effect at the time of re-enrollment. Students can always choose to complete the current curriculum degree requirements.

- ___ Humanities: ART 103, HIST 286, LIT 205, MUS 110, PHIL 155
- ___ Social Science: GEOG 152, GEOG 202, HIST 101, HIST 102, HIST 114, HIST 115, HIST 117, HIST 118, POLS 241
- ___ Behavioral Science: ANTH 150

Total Hours:

A minimum of 65 semester credits is required for this degree.

Math and English Course Placement:

All degree-seeking students are required to be assessed and

Residency:

Fifteen of the last 24 credits or an accumulation of 36 credits must be completed at SWIC. Active duty U.S. armed forces and reserve service members are only required to earn 15 credits at SWIC.

GPA:

A minimum cumulative GPA of 2.00 is required for a degree.

English 101 Requirement:

All students pursuing transfer degrees (AA, AS, AFA, AES) are required to enroll in English 101 or (if applicable) an English 101 requisite within their first 24-30 semester credits of enrollment.

Transfer Resources:

Please view additional transfer resources at swic.edu/articulation.

SWIC 2+2 Agreements:

SWIC has developed a number of 2+2 Agreements with four-year universities to allow for seamless transfer into specific majors. These articulations list recommended coursework to prepare SWIC graduates for entry at the junior level. Please visit swic.edu/articulation to learn more about 2+2 Agreements.

Communications (total of 9 semester credits) A minimum grade of "C" is required in ENG 101 & 102

_____ ENG 101 _____ ENG 102 _____ SPCH 151

Humanities (total of 6 semester credits) Courses must be selected from two subject areas

_____ [REDACTED]	_____ [REDACTED]	_____ LIT 214	_____ PHIL 150
_____ ART 110	_____ LIT 120	_____ [REDACTED]	_____ PHIL 151
_____ FILM 115	_____ LIT 125	_____ LIT 251	_____ PHIL 152
_____ FILM 215	_____ LIT 133	_____ LIT 252	_____ PHIL 153
_____ FILM 225	_____ LIT 134	_____ LIT 290	_____ PHIL 154
_____ FREN 202	_____ LIT 201	_____ LIT 291	_____ [REDACTED]
_____ GERM 202	_____ LIT 202	_____ MUS 101	_____ PHIL 160
_____ [REDACTED]	_____ [REDACTED]	_____ MUS 102	_____ SPAN 202
_____ LIT 113	_____ LIT 213	_____ [REDACTED]	_____ THEA 120

Social Science (total of 3 semester credits)

_____ ECON 115	_____ [REDACTED]	_____ [REDACTED]	_____ POLS 240
_____ ECON 201	_____ [REDACTED]	_____ HIST 152	_____ [REDACTED]
_____ ECON 202	_____ [REDACTED]	_____ [REDACTED]	_____ POLS 262
_____ [REDACTED]	_____ [REDACTED]	_____ [REDACTED]	_____ POLS 270
_____ [REDACTED]	_____ [REDACTED]	_____ [REDACTED]	

Behavioral Science (total of 3 semester credits)

_____ [REDACTED]	_____ PSYC 151	_____ PSYC 251	_____ [REDACTED]
_____ ANTH 160	_____ PSYC 210	_____ PSYC 253	_____ [REDACTED]
_____ ANTH 250	_____ PSYC 250	_____ [REDACTED]	_____ [REDACTED]
			_____ SOC 255

Mathematics (total of 4 semester credits)

_____ MATH 106	_____ MATH 111	_____ MATH 203	_____ MATH 213
_____ MATH 107	_____ MATH 113	_____ MATH 204	_____ BUS 205
	_____ MATH 191	_____ MATH 205	

Life Science
(total of 4 semester credits)

_____ BIOL 100
_____ BIOL 101
_____ BIOL 102
_____ BIOL 108

Physical Science
(total of 4 semester credits)

_____ ATY 101
_____ CHEM 100
_____ CHEM 101
_____ CHEM 105
_____ ES 101
_____ ES 102
_____ ES 114
_____ ES 180

_____ ES 250

Associate in Fine Arts/Music Education

Program Code: 0051

Description:

These requirements are for students who are majoring in Music Education and who plan to transfer to a four-year institution to complete a baccalaureate degree. AFA students complete their general education requirements after they transfer to a four-year college or university. Students who are interested in pursuing the AFA-Music Education degree program should consult with a full-time Music faculty member or an academic advisor. Students pursuing the music major must audition in the instrumental or vocal area of their choice in order to determine whether or not they may receive department permission to enroll in Applied Instruction. In addition, students are required to take a fundamental theory skills test to determine placement in MUS 104 or MUS 105. Students are strongly encouraged to audition and take the theory placement in the spring semester before the fall semester in which they intend to enroll. For more information, see the Music curriculum in this section.

Admission:

Students wishing to pursue this degree may do so prior to being formally admitted to the program. However, all students must fulfill the admissions requirements, noted under the Admissions Information section of the catalog, prior to graduation.

Terms:

Students have six years to complete the requirements for the program they have declared. If the requirements are not completed within six years, students will be required to meet degree requirements for the program in effect at that time. However, students not enrolled for three consecutive semesters (not including summer) must meet the curriculum requirements in effect at the time of re-enrollment. Students can always choose to complete the current curriculum degree requirements.

Total Hours:

A minimum of 67 semester credits is required for this degree.

Residency:

Fifteen of the last 24 credits or an accumulation of 36 credits must

Associate in Fine Arts/Music Education

Degree Requirements Checklist

Communications (total of 9 semester credits) A minimum grade of "C" is required in ENG 101 & 102

____ ENG 101 ____ ENG 102 ____ SPCH 151

Humanities (total of 6 semester credits)

____ ART 101	____ FILM 215	____ LIT 125	____ [REDACTED]	____ PHIL 152
____ ART 102	____ FILM 225	____ LIT 133	____ [REDACTED]	____ PHIL 153
____ [REDACTED]	____ FREN 202	____ LIT 134	____ LIT 251	____ PHIL 154
____ ART 104	____ GERM 202	____ LIT 201	____ LIT 252	____ [REDACTED]
____ ART 105	____ [REDACTED]	____ LIT 202	____ LIT 290	____ PHIL 160
____ ART 106	____ LIT 113	____ [REDACTED]	____ LIT 291	____ SPAN 202
____ ART 110	____ [REDACTED]	____ LIT 213	____ PHIL 150	____ THEA 120
____ FILM 115	____ LIT 120	____ LIT 214	____ PHIL 151	

Social Science (total of 3 semester credits) One of the following

____ [REDACTED] ____ [REDACTED] ____ [REDACTED]

Mathematics (total of 4 semester credits)

____ MATH 106	____ MATH 191	____ MATH 213
____ MATH 107	____ MATH 203	____ BUS 205
____ MATH 111	____ MATH 204	
____ MATH 113	____ MATH 205	

Life Science (total of 4 semester credits)

____ BIOL 100
 ____ BIOL 101
 ____ BIOL 102
 ____ BIOL 108

Physical Science (total of 4 semester credits)

____ ATY 101	____ ES 114
____ CHEM 100	____ ES 180
____ CHEM 101	____ ES 250
____ CHEM 105	____ PHYS 101
____ ES 101	____ PHYS 151
____ ES 102	____ PHYS 204

Music Theory (total of 16 semester credits)

____ MUS 105 ____ MUS 205
 ____ MUS 106 ____ MUS 206

Music Literature/History (total of 3 semester credits)

____ MUS 103

Keyboard Skills (total of 4 semester credits)

Two courses required in sequence, depending upon students' piano background.

____ MUS 111 ____ MUS 213
 ____ MUS 112 ____ MUS 214

Ensemble (total of 4 semester credits)

Choose either College Choir, Jazz Band, Concert Band, or Guitar Ensemble

College Choir	Jazz Band	Concert Band	Guitar Ensemble
____ MUS 161	____ MUS 163	____ MUS 159	____ MUS 175
____ MUS 162	____ MUS 164	____ MUS 160	____ MUS 176
____ MUS 261	____ MUS 263	____ MUS 259	____ MUS 275
____ MUS 262	____ MUS 264	____ MUS 260	____ MUS 276

Applied Instruction (total of 8 semester credits, preferably in one area or instrument)

(Each course may be taken four times for credit)

____ MUS 219 Piano	____ MUS 225 Flute	____ MUS 231 Viola
____ MUS 220 Voice	____ MUS 226 Clarinet	____ MUS 232 Cello
____ MUS 221 Trumpet	____ MUS 227 Oboe	____ MUS 233 Double Bass
____ MUS 222 French Horn	____ MUS 228 Bassoon	____ MUS 234 Guitar
____ MUS 223 Trombone	____ MUS 229 Saxophone	____ MUS 235 Bass Guitar
____ MUS 224 Tuba/Euphonium	____ MUS 230 Violin	____ MUS 236 Percussion

Human Well-Being (total of 2 semester credits)

____ HES 151

~~X X X~~ Human Relations Classes ~~X X X~~ Non-Western Culture

Associate in Fine Arts/Music Performance

Program Code: 0050

Description:

These requirements are for students who are majoring in Music Performance and who plan to transfer to a four-year institution to complete a baccalaureate degree. AFA students complete their general education requirements after they transfer to a four-year college or university. Students who are interested in pursuing the AFA-Music Performance degree program should consult with a full-time Music faculty member or an academic advisor. Students pursuing the Music major must audition in the instrumental or vocal area of their choice in order to determine whether or not they may receive department permission to enroll in Applied Instruction. In addition, students are required to take a fundamental theory skills test to determine placement in MUS 104 or MUS 105. Students are strongly encouraged to audition and take the theory placement in the spring semester before the fall semester in which they intend to enroll. For more information see the Music curriculum in this section.

Admission:

Associate in Fine Arts/Music Performance

Degree Requirements Checklist

Communications (total of 9 semester credits) A minimum grade of "C" is required in ENG 101 & 102
 _____ ENG 101 _____ ENG 102 _____ SPCH 151

Humanities (total of 6 semester credits) Courses must be selected from two subject areas

_____ ART 101	_____ FILM 215	_____ LIT 120	_____ LIT 214	_____ PHIL 151
_____ ART 102	_____ FILM 225	_____ LIT 125	_____ [REDACTED]	_____ PHIL 152
_____ [REDACTED]	_____ FREN 202	_____ LIT 133	_____ [REDACTED]	_____ PHIL 153
_____ ART 104	_____ GERM 202	_____ LIT 134	_____ LIT 251	_____ PHIL 154
_____ ART 105	_____ [REDACTED]	_____ LIT 201	_____ LIT 252	_____ [REDACTED]
_____ ART 106	_____ [REDACTED]	_____ LIT 202	_____ LIT 290	_____ PHIL 160
_____ ART 110	_____ LIT 113	_____ [REDACTED]	_____ LIT 291	_____ SPAN 202
_____ FILM 115	_____ [REDACTED]	_____ LIT 213	_____ PHIL 150	_____ THEA 120

Social or Behavioral Science (total of 3 semester credits)

_____ [REDACTED]	_____ [REDACTED]	_____ POLS 240	_____ [REDACTED]
_____ ANTH 160	_____ [REDACTED]	_____ [REDACTED]	_____ [REDACTED]
_____ ANTH 250	_____ [REDACTED]	_____ POLS 262	_____ [REDACTED]
_____ ECON 115	_____ [REDACTED]	_____ POLS 270	_____ [REDACTED]
_____ ECON 201	_____ [REDACTED]	_____ PSYC 151	_____ [REDACTED]
_____ ECON 202	_____ HIST 152	_____ PSYC 210	_____ [REDACTED]
_____ [REDACTED]	_____ [REDACTED]	_____ PSYC 250	_____ [REDACTED]
_____ [REDACTED]	_____ [REDACTED]	_____ PSYC 251	_____ [REDACTED]
_____ [REDACTED]	_____ [REDACTED]	_____ PSYC 253	_____ [REDACTED]

Mathematics (total of 4 semester credits)

_____ MATH 106	_____ MATH 111	_____ MATH 203	_____ MATH 213
_____ MATH 107	_____ MATH 113	_____ MATH 204	_____ BUS 205
_____ [REDACTED]	_____ MATH 191	_____ MATH 205	

Life Science (total of 4 semester credits)

_____ BIOL 100
 _____ BIOL 101
 _____ BIOL 102
 _____ BIOL 108

Physical Science (total of 4 semester credits)

_____ ATY 101	_____ ES 114
_____ CHEM 100	_____ ES 180
_____ CHEM 101	_____ ES 250
_____ CHEM 105	_____ PHYS 101
_____ ES 101	_____ PHYS 151
_____ ES 102	_____ PHYS 204

Music Theory (total of 16 semester credits)

_____ MUS 105
 _____ MUS 106
 _____ MUS 205
 _____ MUS 206

Keyboard Skills (total of 4 semester credits) Two courses required in sequence, depending upon students' piano background

_____ MUS 111
 _____ MUS 112
 _____ MUS 213
 _____ MUS 214

Music Literature/History (total of 3 semester credits)

_____ MUS 103

Accounting Pre-Major

Associate in Arts Degree

swic.edu/accounting

Department Chair: Dawn Peters

Faculty: Dawn Peters, CPA, Jessica Talleur, CPA

Dean: Janet Fontenot

Accounting courses are useful to everyone in business. A major in accounting may lead to careers in business, industry or government. The Accounting pre-major prepares students to transfer to a four-year college or university and continue for a baccalaureate degree.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Business Major Panel recommends the following general education courses for this major:
 - MATH 203 Analytic Geometry & Calculus I OR MATH 213 Calculus for Business & Social Sciences
 - PHIL 152 Ethics
 - ECON 201 Principles of Economics I (10)
 - ECON 202 Principles of Economics II (10)
2. As you fulfill your degree requirements, it is strongly recommended by the IAI Business Major Panel that you take the following classes:
 - ACCT 110 Financial Accounting
 - ACCT 111 Managerial Accounting
 - BUS 205 Economic and Business Statistics
 - BUS 209 Business Computer Systems
3. The additional courses recommended below may be applicable toward a baccalaureate Accounting major. Please

Associate in Arts Degree (0001) –

Accounting Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Accounting should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Aerospace Studies (AS)

For information on the Air Force Reserve Officer Training Corps (AFROTC) and class schedules, please visit slu.edu/parks/air-force-rotc, www.afrotc.com or call 314-977-8227.

The objective of the AFROTC is to qualify students for appointment as second lieutenants in the United States Air Force. However, any student may enroll in the freshman/sophomore level aerospace studies courses and students may enroll in the junior/senior-level courses with the permission of the professor of Aerospace Studies.

The Department of Aerospace Studies at Saint Louis University and Southern Illinois University Edwardsville offers two- and four-year programs. Through an agreement, students register at SWIC and then attend classes at Saint Louis University. Aerospace Studies courses are not offered at any SWIC location.

The program is tailored for students with three or more years of studies remaining. Applicants must be full-time students and must remain in good academic standing. The Aerospace Studies program is divided into two parts: the General Military Course, the freshman/sophomore-level curriculum, and the Professional Officer Course, the junior/senior level curriculum. The GMC covers two main themes: Heritage and Values and Team and Leadership Fundamentals. Freshmen cadets will enroll in the AS 101/102 courses which take place at SLU on Wednesdays from 2-3 p.m. Cadets who enroll in AFROTC with only three years left until graduation will be enrolled as members of the AS 200 class and participate in field training preparation activities. AS 201/202 classes take place at SLU on Wednesdays from 1-2 p.m. The courses of the POC emphasize the professional development of the future Air Force officer. The curriculum covers Air Force Leadership and Management and Preparation for Active Duty. Field trips to Air Force bases supplement classroom instruction and familiarize the cadet with Air Force operations and organizations.

To be commissioned, AFROTC cadets must:

- Pass a military medical exam
- Obtain a favorable evaluation on an Armed Forces personal history security investigation.
- Be at least 18 years old. ~~Only~~ ~~AFROTC~~ applicants must complete commissioning requirements before age 29 and non-ying applicants must complete commissioning requirements by age 39. However, the age limit for non-ying applicants may be extended to age 42 for outstanding individuals.
- Be of good character (as determined by ~~AFROTC~~ ~~AFROTC~~ record)

Agriculture Pre-Major

Associate in Arts Degree

Associate in Arts Degree (0001) – Agribusiness, Farm and Financial Management Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Agribusiness, Farm and Financial Management should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Agriculture Major Panel recommends the following general education courses for this major:

- BIOL 100 – General Biology, Evolution & Genetics

Agricultural – Crop and Soil Science Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Agricultural – Crop and Soil Science should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Agriculture Major Panel recommends the following general education courses for this major:
 - BIOL 101 Principles of Biology I
 - CHEM 105 General Chemistry I
 - MATH 107 General Education Statistics
OR MATH 191 Introduction to Statistics
2. As you fulfill your degree requirements, it is strongly recommended by the IAI Agriculture Major Panel that you take the following classes:
 - AGRI 121 Soil Science
 - AGRI 235 Crop Science
 - BIOL 102 Principles of Biology II
 - CHEM 106 General Chemistry II
3. The additional courses recommended below may be applicable toward a baccalaureate Agricultural – Crop and Soil Science major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - AGRI 152 Agricultural Economics
 - AGRI 111 Animal Science
 - MATH 203 Analytic Geometry & Calculus I
OR MATH 213 Calculus for Business & Social Sciences
 - HORT 102 – Intro to Horticulture
4. Fulfill all other Associate in Arts degree requirements listed on page 60 of this catalog.
5. Apply for graduation by the date published in the college

Art Pre-Major

Associate in Arts Degree

Art Pre-Major (continued)

Associate in Fine Arts Degree – Art (0052)

is degree program is for students who are majoring in Art and planning to transfer to a four-year institution to complete a baccalaureate degree. AFA students complete their general education requirements after they transfer to a four-year college or university. Students who are interested in pursuing the AFA-Art degree program should consult with a full-time art faculty member or an academic advisor.

Associate in Fine Arts Degree – Art (0052)

Students who plan to earn an Associate in Fine Arts-Art degree and then transfer to a four-year college or university to major in Art should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer. A portfolio review is often required for admission into a BA or BFA in Art at a four-year institution.

1. Since completion of the AFA ~~does~~ does not complete the Illinois General Education Core Curriculum (GECC), students will need to complete the general education requirements of the school to which they transfer. General Education course requirements may vary by transfer institution. Fulfill the General Education and other institutional requirements for the Associate in Fine Arts-Art degree listed on page 63 of this catalog. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Art Major Panel recommends the following general education courses for this major:
 - SOC 153 – Introductory Sociology
OR PSYC 151 – General Psychology
2. As you fulfill your degree requirements, it is strongly recommended by the IAI Art Major Panel that you take the following classes:
 - ART 104 Art History I: Prehistoric-Gothic
 - ART 105 Art History II: Renaissance-Modern
 - ART 111 Basic Design I
 - ART 112 Basic Design II
 - ART 150 Drawing I
 - ART 250 Drawing II
 - ART 252 Life Drawing
3. The additional courses recommended below may be applicable toward a baccalaureate Art major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.

Business Administration Pre-Major

Associate in Arts Degree

swic.edu/business-administration

Department Chair: Dawn Peters
Faculty: Stacy Martin

Dean: Janet Fontenot

Opportunities in business, industry, government and education are open to those who major in business. Careers include several kinds of accounting, business administration, office administration, business management, computer science, finance, retailing, marketing, banking, and consumer protection and awareness.

2+2 Articulation Agreements

- McKendree University – BBA Business Administration
- Park University – BS Management
- Park University – BS Management/Human Resources
- Webster University – BA Entrepreneurship
- Webster University – BA Management

Associate in Arts Degree (0001) – Business Administration Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Business Administration should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Business Major Panel recommends the following general education courses for this major:

- MATH 203 Analytic Geometry & Calculus I OR MATH 213 Calculus for Business & Social Sciences
- PHIL 152 Ethics
- ECON 201 Principles of Economics I (M)
- ECON 202 Principles of Economics II (M)

2. As you fulfill the General Education requirements, it is strongly recommended by the IAI Business Major Panel that you take the following classes:

- ACCT 110 Financial Accounting
- ACCT 111 Managerial Accounting
- BUS 205 Economic and Business Statistics
- BUS 209 Business Computer Systems

- 3.

Criminal Justice Pre-Major

Associate in Arts Degree

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Criminal Justice Major Panel recommends the following general education courses for this major:
 - SOC 153 Introductory Sociology
 - PSYC 151 General Psychology
2. As you fulfill your degree requirements, it is strongly recommended by the IAI Criminal Justice Major Panel that you take the following classes:
 - AOJ 100 Intro to Administration of Justice
 - AOJ 103 Introduction to Corrections
 - AOJ 153 Juvenile Delinquency
 - AOJ 160 Criminology
3. The additional courses recommended below may be applicable toward a baccalaureate Criminal Justice major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - SOC 203 Social Problems
4. Fulfill all other Associate in Arts degree requirements listed on page 60 of this catalog.
5. Apply for graduation by the date published in the college calendar.
6. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes. [ath and English: -34.22\[\(C\)10\(ar\)8\(es bO\)-4\(pp\)-3\(or\)-21\(te le](#)

Associate in Arts Degree (0001) – Criminal Justice Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Criminal Justice should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Early Childhood Education – Pre-Major Associate in Arts Degree

swic.edu/ece

Coordinator: Carolyn Beal

A bachelor's degree in Early Childhood Education will provide a person with the skills and knowledge to work with children from

Economics Pre-Major

Associate in Arts Degree

swic.edu/economics

Department Chair: Dawn Peters
Faculty: Paris Rosenberg, Dennis Shannon

Dean: Janet Fontenot

A major in economics will prepare students for employment in business and government. Economics is also an excellent major for students who plan on graduate study in law, business or any of the social sciences. A minor in economics is excellent for those who are majoring in any of the social sciences or business-related fields. ECON 201 and ECON 202 may be used to meet the social science course elective.

2+2 Articulation Agreements

- McKendree University – BBA Economics

Important Transfer Information

Read the Course Description Guide (yellow section of the catalog) for more information on course content and requisites, which may be necessary for some courses.

If you KNOW where you are transferring:

- Transfer requirements vary by receiving institution.
- Plan your Associate in Arts and transfer requirements with a SWIC academic advisor and use the transfer guide of the four-year institution you plan to attend.
- Refer to Recommended Steps and Timeline to Transfer to Four-Year Institutions on page 39.

If you DON'T KNOW where you are transferring:

- Plan your Associate in Arts with a SWIC academic advisor.
- The Associate in Arts Degree Requirement Checklist (page 61) may be used as a GENERAL GUIDE; transfer requirements vary by receiving institution.
- Refer to Recommended Steps and Timeline to Transfer to Four-Year Institutions on page 39.

Associate in Arts Degree (0001) – Economics Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Economics should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Business Major Panel recommends the following general education courses for this major:

- MATH 203 Analytic Geometry & Calculus I OR MATH 213 Calculus for Business & Social Sciences
- PHIL 152 Ethics
- ECON 201 Principles of Economics I (10)
- ECON 202 Principles of Economics II (10)

As you fulfill your degree requirements, it is strongly recommended by the IAI Business Major Panel that you take the following classes:

- ACCT 110 Financial Accounting
- ACCT 111 Managerial Accounting
- BUS 205 Economic and Business Statistics
- BUS 209 Business Computer Systems

3. The additional courses recommended below may be applicable toward a baccalaureate Economics major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - BUS 215 Business Law I
4. Fulfill all other Associate in Arts degree requirements listed on page 60 of this catalog.
5. Apply for graduation by the date published in the college calendar.
6. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Career Opportunities

A variety of careers are open to students who graduate with a bachelor's degree in economics including:

- Entry-level manager
- Mid-level manager
- Sales manager
- Financial analyst
- Financial consultant
- Bank manager

Education – Elementary Pre-Major

Associate in Arts Degree

swic.edu/elementary-ed

Coordinator/Faculty: Caroline Adams

Education is the field of knowledge that deals with the various aspects of the profession of teaching. Among other things, teaching involves making decisions about what and how to teach, engaging students in learning activities, managing learning environments, and assessing student behavior and achievement. Elementary education generally encompasses teaching grades K-8. Note: Check the Illinois State of Education website (<https://www.isbe.net/educatorlicensure>) regularly for updates/changes to licensure requirements.

- ART 101 Art Appreciation OR MUS 101 Music Appreciation
-

2+2 Articulation Agreements

- Greenville College – BS Elementary Education
- McKendree University – BA Elementary Education
- SIUE – BS Elementary Education

Associate in Arts Degree (0001) – Elementary Education Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in elementary education should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution.
2. As you fulfill your degree requirements, it is strongly recommended that you take the following classes:
 - MATH 105 and MATH 106 Mathematics for Elementary Teachers I and II
 - PSYC 151 General Psychology

Education – Secondary Pre-Major

Associate in Arts Degree

swic.edu/secondar

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution.
2. As you fulfill your degree requirements, it is strongly recommended that you take the following classes:
 - PSYC 151 General Psychology
 - ART 101 Art Appreciation OR MUS 101 Music Appreciation
 - HIST 180 and HIST 181 U.S. History to 1865 and U.S. History, 1865 to Present
 - POLS 150 Intro to American Government
 - HES 151 Personal Health & Wellness
 - PSYC 251 Adolescent Development
 - World/Non-Western culture selected from: HIST 114, HIST 115, HIST 117, LIT 205, or PHIL 155
 - MATH 112 College Algebra (This is expected to become a new requirement for all teachers in the state of Illinois within the year.)
3. Most four-year colleges and universities will require the following classes as secondary education major credit:
 - ED 255 Introduction to Education (20 hours observation)
 - ED 252 Educational Psychology
 - ED 267 Diversity in 21st Century Schools
4. The optional courses listed below may be applicable toward a baccalaureate secondary education major either as a required or elective class. To ensure acceptance toward your major, check with the four-year institution where you are intended to transfer.
 - ED 260 Introduction to Educational Technology
 - ED 265 Introduction to Special Education (30 hours observation)
 - Various content area courses in a major (i.e.: English classes for English majors)
5. Fulfill all other Associate in Arts degree requirements listed on page 60 of this catalog.
6. Apply for graduation by the date published in the college calendar.
7. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Most transfer institutions require a higher GPA for admission (usually a 2.75 or higher) to the institution and/or specific majors, so check with the transfer institution for its requirements.

Education - Secondary Pre-Major (continued)

8. Taking the Illinois Test of Academic Proficiency – TAP (for transfer to Illinois institutions), or the ~~ACTs I~~ ACTs I (for most other states) is required for admission to a school of education program. Check with a advisor at the institution you plan to attend for specific details. NOTE: The state of Illinois now accepts ACT (with writing) scores. In place of TAP, the state will accept an ACT composite of 22 or higher with a writing score of 6 or higher. SAT scores of 1100-plus (composite) and 26-plus (writing/language) are also now accepted. It is highly suggested that students use this option.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Career Opportunities

SWIC offers courses leading to an Associate in Arts degree, which may then transfer to a four-year institution for pursuance of a bachelor's degree in secondary education. Students completing a bachelor's degree in secondary education may be eligible for certification to teach. In some instances, career paths in coaching or becoming a curriculum specialist may also be possible. Students completing the associate degree might be able to work in certain careers such as a paraprofessional (teacher's aide) or day care, if they choose not to pursue a bachelor's degree.

Education - Special Education Pre-Major (continued)

8. Taking the Illinois Test of Academic Proficiency – TAP (for transfer to Illinois institutions), or the ACTs I (for most other states) is required for admission to a school of education program. Check with a advisor at the institution you plan to attend for specific details. NOTE: There is a three-attempt limit on TAP. (For help in preparing for education entrance tests, consider taking ED 257 – Education TAP Test Prep, a one-hour elective.) NOTE: The state of Illinois now accepts ACT (with writing) scores. In place of TAP, the state will accept an ACT composite of 22 or higher with a writing score of 6 or higher. SAT scores of 1100-plus (composite) and 26-plus (writing/language) are also now accepted. It is highly suggested that students use this option.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Career Opportunities

SWIC offers courses leading to an Associate in Arts degree, which may then transfer to a four-year institution for pursuance of a bachelor's degree in special education. Students completing a bachelor's degree in special education may be eligible for certification to teach. In some instances, career paths in coaching or becoming a curriculum specialist may also be possible. Students completing the associate degree might be able to work in certain careers such as a paraprofessional (teacher's aide) or day care, if they choose not to pursue a bachelor's degree.

English Pre-Major

Associate in Arts Degree

swic.edu/english

Department Chair/Faculty: Steve Moiles

Faculty: Dan Cross, Nicole Hancock, Tami Hughes, Winnie Kenney, Cory Lund, Matt McCarter, Alicia Morgan, Brad Nadziejko, Natasha Olufoye, Jerald Ross, Lynne Schwartzhoff, Dianna Shank, Nancy Wagner, Chantay White-Williams

The discipline of English is more than just the language that we speak every day. While it is difficult to define English, the English pre-major at SWIC can best be described as a discipline that prepares students for a more advanced study of linguistics, rhetoric and composition, creative writing, literature and literary criticism, cultural studies, English education, and professional writing and communications. Courses in English are designed to help students become more sophisticated and knowledgeable critical readers of written, oral, and visual texts as well as to help students produce more sophisticated written, oral, and visual texts of their own.

2+2 Articulation Agreements

- SIUE – BA English

Associate in Arts Degree (0001) – English Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in English should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

English Course Placement Sequence

English courses are prerequisites for many courses in other subjects.



Exercise Science Pre-Major

Associate in Arts Degree

swic.edu/exercise-science

Department Chair/Faculty: Garry Ladd
Faculty: Scott Wolf

Exercise science is the study and application of scientific principles of human movement. As the nation addresses health issues associated with physical inactivity, employment opportunities in exercise science, fitness and wellness are expected to grow at a faster than average rate. The Exercise Science pre-major will provide students with opportunities to acquire the knowledge, skills, abilities and values that are essential for competency as a professional in the field of personal training and upper division baccalaureate study in exercise science.

2+2 Articulation Agreements

- SIUE – BS Exercise Science

Associate in Arts Degree (0001) – Exercise Science Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Exercise Science should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Film Pre-Major

Associate in Arts Degree

swic.edu/ Im

Coordinator/Department Chair: Steve Moiles
Faculty: Dan Cross

Southwestern Illinois College is one of the only Illinois Community Colleges with a program in Film production (writing, shooting, and editing narrative movies). Students will gain experience with screenwriting, scheduling, shotlisting and storyboarding, operating cameras, directing actors, recording sound, and editing footage.

Students do not need any prior experience or need to have their own cameras. SWIC has a good-sized collection of film equipment (cameras, tripods, lights, microphones, and much more) which students can use in and out of class. There is also a studio with a greenscreen, sound recording booths, and a large computer lab for video editing. SWIC will provide students all needed materials to try their hand at moviemaking.

SWIC also offers several film studies courses (Film Appreciation, Film History, and Film and Literature) which fulfill the SWIC General Education requirement in Humanities.

Important Transfer Information

Read the Course Description Guide (yellow section of the catalog) for more information on course content and requisites, which may be necessary for some courses.

If you KNOW where you are transferring:

- Transfer requirements vary by receiving institution.
- Plan your Associate in Arts and transfer requirements with a SWIC academic advisor and use the transfer guide of the four-year institution you plan to attend.
- Refer to Recommended Steps and Timeline to Transfer to Four-Year Institutions on page 39.

If you DON'T KNOW where you are transferring:

- Plan your Associate in Arts with a SWIC academic advisor.
- The Associate in Arts Degree Requirement Checklist (page 61) may be used as a GENERAL GUIDE; transfer requirements vary by receiving institution.
- Refer to Recommended Steps and Timeline to Transfer to Four-Year Institutions on page 39.



Associate in Arts Degree (0001) – Film Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Film should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Media and Communication Arts Major Panel recommends the following general education courses for the Film major:
 - No specific General Education courses recommended.
2. As you fulfill your degree requirements, it is strongly recommended by the IAI Media and Communication Arts Major Panel that you take the following courses to prepare for transfer as a Film major:
 - FILM 115 Film Appreciation
 - FILM 215 Film History
 - FILM 225 Film and Literature
 - MCOM 201 Introduction to Mass Communication
3. The additional courses recommended below may be applicable toward a baccalaureate Film major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - MCOM 255 Broadcast Announcing
 - FILM 105 Screenwriting I
 - FILM 140 Video Editing I
 - FILM 150 Moviemaking I
 - FILM 205 Screenwriting II
 - FILM 230 Sound Design
 - FILM 240 Video Editing II
 - FILM 250 Moviemaking II
4. Fulfill all other Associate in Arts degree requirements listed on page 60 of this catalog.
5. Apply for graduation by the date published in the college calendar
6. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Career Opportunities

After completing their degree, many SWIC film students transfer to four-year film schools, especially Southern Illinois University-Carbondale, Columbia College in Chicago, and Webster University in Webster Groves, Mo. Other SWIC film students have gone on to work in the film industry, video production, or television, and others have become self-employed, creating their own video production companies. Film is a tough business with few steady, secure, full-time jobs. However, film production is exciting and enjoyable, and the skills students learn are increasingly valuable in many different fields including education, advertising, web design, and computer science.

Foreign Language Pre-Major

Associate in Arts Degree

swic.edu/foreign-language

Health/Physical Education Pre-Major

Associate in Arts Degree

swic.edu/phys-ed

Department Chair/Faculty: Garry Ladd
Faculty: Scott Wolf

The Health/Physical Education pre-major is primarily designed to prepare students for careers in teaching physical education and/or health education, coaching, or recreation.

Associate in Arts Degree (0001) –

Health/Physical Education Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Health/Physical Education should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1.

Health Science/Safety Education Pre-Major

Associate in Arts Degree

swic.edu/health-science-safety

Department Chair/Faculty: Garry Ladd
Faculty: Scott Wolf

The Health Science/Safety Education major is designed to emphasize the importance of adopting healthy lifestyles through informed choice by empowering students to distinguish between behaviors that foster and those that hinder well-being. Students will be prepared primarily for careers in the public health sector.

2+2 Articulation Agreements

- SIUE – BS Community Health Education
- SIUE – BS Nutrition

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Health & Exercise Science department recommends the following general education courses for this major:
 - BIOL 101 Principles of Biology I
 - CHEM 101 Introductory Chemistry
 - PSYC 151 General Psychology
 - HES 151 Personal Health & Wellness
 - SOC 153 Introductory Sociology
2. As you fulfill your degree requirements, it is strongly recommended by the Health & Exercise Science department that you take the following classes:
 - HES 152 First Aid-Medical Help
 - HES 154 Nutrition, Exercise & Weight Management
 - HES 158 Consumer Health
3. The additional courses recommended below may be applicable to
 -

Associate in Arts Degree (0001) –

Health Science/Safety Education Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Health Science/Safety Education should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

History Pre-Major

Associate in Arts Degree

swic.edu/history

Department Chair: Carolyn Myers

Faculty: Steve Gaumer, Van Plexico, Ray Webb

To understand the present and prepare for the future, we must understand the past. The study of history provides a solid foundation of knowledge which equips us to better comprehend our world. The History Department offers students a wide range of opportunities to study in areas as diverse as American History, European History, World History, and the History of Religion, as well as the histories of Latin America, Asia, Africa and the Middle East. An associate degree with an emphasis on history provides a basic overview of the discipline and prepares you to transfer to a four-year history program. A Bachelor of Arts degree in History prepares students for careers in business, industry, or government, as well as for continued study leading to advanced degrees, for professional careers in academia, and in various archival and research fields. A minor in history is a good choice for any of the other social sciences as well as for English, foreign language and journalism.

Associate in Arts Degree (0001) –
History Pre-Major

International Studies Pre-Major

Associate in Arts Degree

swic.edu/international-studies

Department Chair/Faculty: Carolyn Myers
Faculty: Jeff Arnold, Steve Gaumer, Van Plexico, Ray Webb

International Studies is an interdisciplinary pre-major focusing on developing a greater understanding of the world than that provided by a single discipline. There are two possible concentrations within International Studies: (1) an international relations concentration that puts special emphasis on global issues and the relationships between states and (2) an area studies concentration that focuses on a deeper understanding of a single area of the world.

2+2 Articulation Agreements

- McKendree University – BA Global Studies
- McKendree University – BA International Studies
- SIUE – BA International Studies

Important Transfer Information

Read the Course Description Guide (yellow section of the catalog) for more information on course content and requisites, which may be necessary for some courses.

If you KNOW where you are transferring:

- Transfer requirements vary by receiving institution.
- Plan your Associate in Arts and transfer requirements with a SWIC academic advisor and use the transfer guide of the four-year institution you plan to attend.
- Refer to Recommended Steps and Timeline to Transfer to Four-Year Institutions on page 39.

If you DON'T KNOW where you are transferring:

- Plan your Associate in Arts with a SWIC academic advisor.
- The Associate in Arts Degree Requirement Checklist (page 61) may be used as a GENERAL GUIDE; transfer requirements vary by receiving institution.
- Refer to Recommended Steps and Timeline to Transfer to Four-Year Institutions on page 39.

Associate in Arts Degree (0001) – International Studies Pre-Major – International Relations Concentration

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in international relations, international studies, political science, or history should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer. This is especially true if you are pursuing a degree in international or area studies as these programs vary widely.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution.
2. As you fulfill your degree requirements, it is strongly recommended that you take the following classes for a global perspective:
 - GEOG 152 World Regional Geography
 - POLS 240 Comparative Politics
 - POLS 270 International Relations
 - Foreign language of your choice (two semesters)
3. It is recommended that you take the following classes:
 - Economic Perspective
 - ECON 201 Macroeconomics
 - GEOG 202 Economic Geography
 - Historical Perspective
 - HIST 232 United States War OR HIST 292 US Since 1945
 - HIST 286 History of Religion
4. The optional courses listed below are suggested for the indicated baccalaureate majors:
 - History
 - HIST 101, 102 World Civilization I, II
 - HIST 180, 181 U.S. History
 - Political Science
 - POLS 150 Introduction to American Government
 - POLS 280 Political Theory
5. Fulfill all other Associate in Arts degree requirements listed on page 60 of this catalog.
6. Apply for graduation by the date published in the college calendar
7. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Career Opportunities

A variety of careers are open to students who graduate with a bachelor's degree focusing on international studies:

- International business
- International risk assessment
- Foreign service/diplomacy
- International aid organizations
- Intelligence
- Journalism
- International travel

International Studies Pre-Major (continued)

Associate in Arts Degree (0001) – International Studies Pre-Major – Area Studies Concentration

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in international studies, area studies, political science, or history should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer. This is especially true if you are pursuing a degree in international or area studies as these programs vary widely.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution.
2. As you fulfill your degree requirements, it is strongly recommended that you take the following classes for a global perspective:
 - GEOG 152 World Regional Geography
 - POLS 240 Comparative Politics
 - POLS 270 International Relations
 - Foreign language of your choice (two semesters)
3. It is recommended that you take the following classes:
 - Cultural Perspective
 - ANTH 150 Cultural Anthropology
 - LIT 202 World Literature II OR LIT 205 Literature of Developing/Non-Western Countries OR ART 103 Survey of Non-Western Art
 - Social Perspective
 - One of the following HIST classes:
 - HIST 114 Latin American History
 - HIST 115 Mid East History
 - HIST 117 African History
 - HIST 118 Asian History
 - HIST 286 History of Religion
4. See optional courses listed below are suggested for the indicated baccalaureate majors:
 - History
 - HIST 101, 102 World Civilization I, II
 - HIST 180, 181 U.S. History
 - Political Science
 - POLS 150 Introduction to American Government
 - POLS 280 Political Theory
5. Fulfill all other Associate in Arts degree requirements listed on page 60 of this catalog.
6. Apply for graduation by the date published in the college calendar
7. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Career Opportunities

A variety of careers are open to students who graduate with a bachelor's degree focusing on international studies:

- International business
- International risk assessment
- Foreign service

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Journalism – Pre-Major

Associate in Arts Degree

swic.edu/journalism

Department Chair: Steve Moiles

Journalism is the collection and periodical dissemination of current news and events or, more strictly speaking, the business of managing, editing, or writing for journals or newspapers.

The application of the term “journalism” has broadened to include news reporting and commentaries on a wide variety of electronic media. Courses in the Journalism program examine the idea of news, the methods and techniques of news writing, types of journalistic stories and publications, news judgment, and ethical issues in journalism. With writing assignments that emphasize clarity and impact, some courses also apply practical research methods (including interviewing), copyediting, and the principals and techniques of electronic editing, information management, and publication design.

Associate in Arts Degree (0001) – Journalism Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Journalism should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Literature Pre-Major

Associate in Arts Degree

swic.edu/literature

Department Chair/Faculty: Steve Moiles

Faculty: Dan Cross, Nicole Hancock, Tami Hughes, Winnie Kenney, Cory Lund, Matt McCarter, Alicia Morgan, Brad Nadziejko, Natasha Olufoye, Jerald Ross, Lynne Schwartzhoff, Dianna Shank, Nancy Wagner, Chantay White-Williams

Literature is one of the great creative and universal means of communicating the emotional, spiritual, and intellectual concerns of humankind. Literature may instruct and inform, entertain, express personal joy or pain, or advocate a particular point of view – whether it is political, social, or aesthetic. Courses in literature are designed to help students become more sophisticated and knowledgeable critical readers of written, oral, and visual texts as well as to help students produce more sophisticated written, oral, and visual texts of their own.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution.
2. As you fulfill your degree requirements, it is strongly recommended that you take the following classes:
 - LIT 213 American Literature
 - LIT 251 British Literature I
 - LIT 252 British Literature II
 - Two years of a Foreign Language
3. Most four-year colleges and universities will accept the following class as literature major credit:
 - LIT 214 American Literature II
4. The optional courses listed below may be applicable toward a baccalaureate literature major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - LIT 117 Literature by Women
 - LIT 201 World Literature I
 - LIT 205 Literature of Non-Western Culture
 - LIT 215 Contemporary Multicultural American Literature
 - LIT 216 African American Literature
- 5.

Associate in Arts Degree (0001)

Literature Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in literature should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Mass Communication Pre-Major

Associate in Arts Degree

swic.edu/mass-comm

Department Chair: Kristen Ruppert-Leach
Faculty: Kristen Ruppert-Leach, Julie Willis

Mass Communication is one of the most competitive of fields, yet the growth of digital technologies and the emergence of new media are providing a wide range of career opportunities for those skilled in media arts and the technologies that connect diverse audiences.

Military Science – Army ROTC (MSC)

swic.edu/army-rotc

For information on the Army ROTC and class schedules, call 618-650-2503. Classes may be held at a SWIC campus or Southern Illinois University Edwardsville.

Military Science

The purpose of Military Science is to develop young women and men into junior commissioned officers for positions of responsibility in the Army Reserve, Army National Guard or active Army. Those who successfully complete the Reserve Officers' Training Corps program normally earn commissions as lieutenants in the United States Army.

Army ROTC

ROTC may be completed in several different ways as outlined below.

- 1.

Music Pre-Major

Spring Semester
MUS 106 Music eory II
Social OR

Semester Credits
4

Music (continued)

Music (continued)

Second Year

Fall Semester	Semester Credits
Music Performance Ensemble	1
MUS 205 Music Theory III	4
PSYC151 General Psychology	3
Life Science Course	4
Humanities OR Social/Behavioral Science Course***	3
Total Semester Credits	15
(Music Private Applied**** – strongly recommended-2)	

Apply for Graduation Now

Spring Semester	Semester Credits
MUS 206 Music Theory IV	4
Music Performance Ensemble	1
Human Well-Being Elective	2
ART 101 Art Appreciation	3
Physical Science Course	4
General Humanities Course***	3
Total Semester Credits	17
(Music Private Applied****-strongly recommended-2)	

*Enrollment in ENG 101 is based on your English placement. A minimum grade of C is required in ENG 101 and ENG 102.

**Enrollment in any math class is based on your math placement and requisite.

***Minimum of one course in Human Relations is required. In addition, one World/Non-Western Culture course is required.

****Students are advised to take their eight credits of Music Private Applied in one area or instrument. Audition and departmental permission are

Philosophy Pre-Major

Associate in Arts Degree

swic.edu/philosophy

Department Chair: Kristen Ruppert-Leach
Faculty: Darrell Russell, Richard Spencer

Philosophy is at the core of a liberal arts education. Its study prepares students for a wide range of pursuits. The study of philosophy develops a student's ability to analyze, evaluate, and debate ideas. While a career in philosophy is confined largely to teaching, students of philosophy have gone on to become lawyers, managers, theologians, writers, artists, comedians, and talk show hosts.

Philosophy is the study of the significant questions in life. It probes into issues that range from those about who we are to those about the nature of reality, the meaning of the good life, the essence of truth, the idea of good government, the notion of God, and the requirements of good art.

2+2 Articulation Agreements

- SIUE – BS Philosophy

Important Transfer Information

Read the Course Description Guide (yellow section of the catalog) for more information on course content and requisites, which may be necessary for some courses.

If you KNOW where you are transferring:

- Transfer requirements vary by receiving institution.
- Plan your Associate in Arts and transfer requirements with a SWIC academic advisor and use the transfer guide of the four-year institution you plan to attend.
- Refer to Recommended Steps and Timeline to Transfer to Four-Year Institutions on page 39.

If you DON'T KNOW where you are transferring:

- Plan your Associate in Arts with a SWIC academic advisor.
- The Associate in Arts Degree Requirement Checklist (page 61) may be used as a GENERAL GUIDE; transfer requirements vary by receiving institution.
- Refer to Recommended Steps and Timeline to Transfer to Four-Year Institutions on page 39.

Associate in Arts Degree (0001) – Philosophy Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Philosophy should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Philosophy department recommends the following general education courses for this major:
 - PHIL 150 Introduction to PhilosophyAs you fulfill your degree requirements, it is strongly recommended by the Philosophy department that you take the following classes:
 - PHIL 151 Introductory Logic
 - PHIL 152 Ethics
 - PHIL 155 Non-Western Philosophy
 - PHIL 160/171/ELEC Intro to Phil of Religion/Aesthetics/ELEC
3. The additional courses recommended below may be applicable toward a baccalaureate Philosophy major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - PHIL 156 Biomedical Ethics
 - A foreign language
4. Fulfill all other Associate in Arts degree requirements listed on page 60 of this catalog.
5. Apply for graduation by the date published in the college calendar
6. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Career Opportunities

A variety of careers are open to students who graduate with a bachelor's degree in philosophy including:

- Teacher
- Lawyer
- Geologist
- Author/writer
- Researcher
- Mathematician
- Artist

Pre-Chiropractic Pre-Major

Associate in Arts Degree

swic.edu/pre-chiropractic

Chiropractic is a health care discipline that emphasizes the healing of the body without the use of drugs or surgery. The practice of chiropractic focuses on the relationship between the structure of the spine and function of the nervous system, and how that relationship affects the preservation and restoration of health. Doctors of chiropractic work in cooperation with other health care practitioners when in the best interest of the patient.

2. As you fulfill your degree requirements, it is strongly recommended that you take the following classes:
 - BIOL 101 Principles of Biology I
 - BIOL 157 Human Anatomy & Physiology I
 - BIOL 158 Human Anatomy & Physiology II
 - CHEM 105 General Chemistry I
 - CHEM 106 General Chemistry II
 - CHEM 201 Organic Chemistry I
3. Most chiropractic schools will accept the following courses for credit towards meeting admission requirements:
 - MATH 112 College Algebra
 - MATH 191 Intr
 - CHEM 105 General Chemistry I

Associate in Arts Degree (0001) – Pre-Chiropractic Pre-Major

Students who plan to earn an Associate in Arts degree, transfer to a four-year college or university, and then continue on to a school of chiropractic should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution and professional school where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution.

Pre-Law

Associate in Arts Degree

swic.edu/pre-law

The Association of American Law Schools believes that the effectiveness of pre-legal study cannot be advanced by prescribing courses of study or extracurricular activities. Instead, primary emphasis should be directed toward the development in pre-

Psychology Pre-Major

Associate in Arts Degree

swic.edu/psychology

Department Chair/Faculty: Andrew Wheeler
Faculty: Laura Billings, Carla Bills, Barbara Hunter,
Kathy Kufskie, Traci Sachtelben, Andrew Wheeler

The goal of the psychologist is to understand, explain, predict and control people's behavior. Those who major in psychology often go on to pursue graduate study in psychology, which leads to careers in teaching, research or counseling. For instance, many who study psychology become counselors, sometimes in educational or social welfare organizations, but also with employment agencies, industry and business, hospitals, and other organizations that employ or work with many people. Psychology as a minor is excellent for business majors, teachers, sociologists, and others whose careers revolve around their relationships with people.

2+2 Articulation Agreements

- McKendree University – BA BioPsychology
- McKendree University – BA Psychology
- Park University – BS Social Psychology

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Psychology Major Panel recommends the following general education courses for this major:
 - PSYC 151 General P

Associate in Arts Degree (0001) – Psychology Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Psychology should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Social Work Pre-Major

Associate in Arts Degree

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Social Sciences department recommends the following general education courses for this major:
 - MATH 107 General Education Statistics
OR MATH 191 Introduction to Statistics
 - SOC 153 Introduction to Sociology
 - BIOL 100 General Biology, Evolution & Genetics
 - POLS 150 Introduction to American Government
 - PSYC 151 General Psychology
2. As you fulfill your degree requirements, it is strongly recommended by the Social Sciences department that you take the following classes:
 - SOC 203 Social Problems
 - SOC 222 Survey of Social Work
 - SOC 230 Race & Ethnicity in the U.S.
 - SOC 255 The Family
3. The additional courses recommended below may be applicable toward a baccalaureate Social Work major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - ECON 201 Principles of Economics (10)
 - PHIL 152 Ethics
 - SOC 265 Aging & Society
 - ANTH 150 Cultural Anthropology
4. Fulfill all other Associate in Arts degree requirements listed on page 61 of this catalog.

Associate in Arts Degree (0001) – Social Work Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in social work should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Social Work should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Sociology Pre-Major

Associate in Arts Degree

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Department Chair: Andrew WheemtS

Speech Communication Pre-Major

Associate in Arts Degree

swic.edu/speech

Department Chair: Kristen Ruppert-Leach
Faculty: Kristen Ruppert-Leach, Julie Willis

Speech Communication is a subject that is a benefit to everyone, no matter what field he or she plans to enter. Even the research scientist, who spends most of his or her time in a laboratory, is expected to give papers and present seminars. Others whose work is people-oriented fields will find a good background in theatre to be invaluable to success. The Speech Communication degree is applicable to a variety of career paths including but not limited to business, law and education. Speech and business as a combination may significantly enhance your chances for success in the business world.

Important Transfer Information

Read the Course Description Guide (yellow section of the catalog) for more information on course content and requisites, which may be necessary for some courses.

If you KNOW where you are transferring:

- Transfer requirements vary by receiving institution.
- Plan your Associate in Arts and transfer requirements with a SWIC academic advisor and use the transfer guide of the four-year institution you plan to attend.
- Refer to Recommended Steps and Timeline to Transfer to Four-Year Institutions on page 39.

If you DON'T KNOW where you are transferring:

- Plan your Associate in Arts with a SWIC academic advisor.
- The Associate in Arts Degree Requirement Checklist (page 61) may be used as a GENERAL GUIDE; transfer requirements vary by receiving institution.
- Refer to Recommended Steps and Timeline to Transfer to Four-Year Institutions on page 39.

Associate in Arts Degree (0001) – Speech Communication Pre-Major

Students who plan to earn an Associate in Arts degree and then transfer to a four-year college or university to major in Speech Communication should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Arts degree listed on page 61 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Media and Communication Arts Major Panel recommends the following general education courses for this major:
 - No specific General Education courses recommended
2. As you fulfill your degree requirements, it is strongly recommended by the IAI Media and Communication Arts major Panel that you take the following classes:
 - SPCH 155 Interpersonal Communication
3. The additional courses recommended below may be applicable toward a baccalaureate Speech Communication major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - SPCH 240 Group Communication
 - THEA 256 Theatre Acting
 - SPCH 213 Introduction to Public Relations
 - THEA 120 Theatre Appreciation
4. Fulfill all other Associate in Arts degree requirements listed on page 60 of this catalog.
5. Apply for graduation by the date published in the college calendar
6. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Career Opportunities

Speech communication majors are frequently employed in areas such as:

- Teacher/professor
- Business management
- Advertising and marketing
- Broadcast media
- Public relations
- Sales
- Theatre
- Trial attorney

Theatre Arts Pre-Major

Associate in Arts Degree

swic.edu/theatre

Department Chair: Kristen Ruppert-Leach
Faculty: Julie Willis

PROGRAMS
THAT LEAD TO A

BACHE



Associate in Engineering Science

Program Code: AES1

Description:

An Associate in Engineering Science degree is an award for the satisfactory completion of a prescribed curriculum intended to transfer to baccalaureate degree programs in the area of engineering. The curriculum guides that follow serve as a general guide to the selection of courses toward fulfilling degree requirements specific to your intended major at a four-year college or university. Since requirements vary at colleges and universities, it is important to select your courses with the assistance of an academic advisor.

Admission:

Students wishing to pursue this degree may do so prior to being formally admitted to the program. However, all students must fulfill the admissions requirements, noted under the Admissions Information

Biology Pre-Major

Associate in Science Degree

swic.edu/biology

Department Chair/Faculty: Randi Papke
Faculty: Jessica Baack, Corinne Carey, Brett Egger, Mike Marlen,
Cinnamon VanPutte, Bob Weck

Biology pre-majors may work toward degrees in organismal biology such as botany, microbiology or zoology; environmental degrees such as ecology, forestry or wildlife biology; professional areas such as pre-dentistry, pre-pharmacy, pre-medicine or pre-veterinary; or education degrees such as elementary, secondary or college science teaching.

2+2 Articulation Agreements

- SIUE – BS Biology-Ecology, Evolution & Environment
- SIUE – BS Biology-Genetics & Cellular
- SIUE – BS Biology-Integrative Studies
- SIUE – BS Biology-Medical Sciences

1. Fulfill the General Education and other institutional requirements for the Associate in Science degree listed on page 113 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Biological Sciences Major Panel recommends the following general education courses for this major:
 - MATH 203 Analytic Geometry & Calculus I
 - BIOL 101 Principles of Biology I
 - CHEM 105 General Chemistry IAs you fulfill your degree requirements, it is strongly recommended by the IAI Biological Sciences Major Panel that you take the following classes:
 - BIOL 102 Principles of Biology II
 - CHEM 106 General Chemistry II
 - CHEM 201 Organic Chemistry I
 - CHEM 202 Organic Chemistry II
3. The additional courses recommended below may be applicable toward a baccalaureate Biology major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - BIOL 108 General Ecology
 - BIOL 151 Fundamental Botany
 - BIOL 204 Vertebrate Zoology
 - BIOL 270 Genetics
 - PHYS 151 College Physics I
OR PHYS 204 Physics-Mechanics
 - PHYS 152 College Physics II
OR PHYS 205 Physics-Heat, Electricity & Magnetism
 - MATH 191 Introduction to Statistics
4. Fulfill all other Associate in Science degree requirements listed on page 112 of this catalog.
5. Apply for graduation by the date published in the college calendar.
6. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Career : 6 364.0366 417.6619 Tm [(BIOL 270 G)6(genetics

Associate in Science Degree (0002) – Biology Pre-Major

Students who plan to earn an Associate in Science degree and then transfer to a four-year college or university to major in Biology should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Chemistry Pre-Major

Associate in Science Degree

swic.edu/chemistry

Department Chair: Joy Branlund
Faculty: Steve Gentemann, Mitchell Robertson

Chemistry provides the basis for medicine, biomedical technology, ceramics, polymers, metallurgy, environmental and ecological sciences and many other fields. Students may pursue one of these fields or may choose a special interest in a specific area of chemistry such as analytical chemistry, biochemistry, organic chemistry, physical chemistry, colloid and surface chemistry, polymer chemistry or biology.

2+2 Articulation Agreements

- SIUE – BS Chemistry
- SIUE – BS Chemistry-ACS ~~Gen~~ Biochemistry
- SIUE – BS Chemistry-ACS ~~Gen~~ Chemistry
- SIUE – BS Chemistry-Biochemistr
- SIUE – BS Chemistry-Medical Science

1. Fulfill the General Education and other institutional requirements for the Associate in Science degree listed on page 113 of this catalog. General Education course ~~prereq~~ each semester.

Associate in Science Degree (0002) – Chemistry Pre-Major

Students who plan to earn an Associate in Science degree and then transfer to a four-year college or university to major in Chemistry should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Computer Science Pre-Major Associate in Science Degree

swic.edu/computer-science

Department Chair: Keven Hansen
Faculty: David Collins Jr., Christopher Farmer

This two-year program is designed for students who plan to transfer to a senior institution to complete a four-year degree program with a technical/mathematical emphasis. A four-year degree in computer science prepares students to work as scientific and business application programmers, computer systems analysts, operation research analysts and numerical analysts. Career opportunities are available in industry, business, government and education.

1. Fulfill the General Education and other institutional requirements for the Associate in Science degree listed on page 113 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Computer Science Major Panel recommends the following general education courses for this major:
 - MATH 203 Analytic Geometry & Calculus I
OR MATH 213 Calculus for Business & Social Sciences
OR MATH 113 Finite Math for Business & Social Sciences
 - PHYS 204 Physics & Mechanics
 - ECON 115 Introduction to Economics
OR ECON 201 Principles of Economics I (Macro) and
ECON 202 Principles of Economics II (Micro)
2. As you fulfill your degree requirements, it is strongly recommended by the IAI Computer Science Major Panel that you take the following classes:
 - MATH 171 Computer Science I – ~~adv~~
 - MATH 271 Computer Science II – ~~adv~~
3. The additional courses recommended below may be applicable toward a baccalaureate Computer Science major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - MATH 292 Linear Algebra
 - MATH 191 Introduction to Statistics
4. Fulfill all other Associate in Science degree requirements listed on page 112 of this catalog.
5. Apply for graduation by the date published in the college calendar
6. _____

Associate in Science Degree (0002) – Computer Science Pre-Major

Students who plan to earn an Associate in Science degree and then transfer to a four-year college or university to major in Computer Science should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Earth Science Pre-Major

Associate in Science Degree

swic.edu/earth-science

Department Chair/Faculty: Joy Branlund

)DFXOW\ 6WDQOH\ +DWÀHOG

Earth Science is the general name for all the sciences that seek to understand the Earth and its neighbors in space. Geology, which literally means the study of the Earth, examines the origin and development of the solid Earth, as well as the processes that operate beneath and upon its surface. Meteorology involves the study of our atmosphere, while oceanography deals with the dynamics of the oceans. The study of the Earth is not confined to investigating the interactions and interrelationships on our planet alone, but also attempts to relate the earth to the larger universe using the science of astronomy.

2+2 Articulation Agreements

- EIU – BS Geology
- EIU – BS Geography

Associate in Science Degree (0002) – Earth Science Pre-Major

Students who plan to earn an Associate in Science degree and then transfer to a four-year college or university to major in Geology, Meteorology, Astronomy, or Oceanography should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Science degree listed on page 113 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Physical Sciences department recommends the following general education courses for these majors:
 - MATH 203 Analytic Geometry & Calculus I
 - SOC 153 Introductory Sociology
 - GEOG 152 World Regional Geography
 - CHEM 105 General Chemistry I
2. As you fulfill your degree requirements, it is strongly recommended by the Physical Sciences department that you take the following classes for the listed majors:

Geology Major

ES 102 Physical Geology

ES 180 Historical Geology

CHEM 106 General Chemistry II

Meteorology Major

ES 250 Introduction to Meteorology

CHEM 106 General Chemistry II

Earth Science Pre-Major (continued)

Geology or Oceanography Major

PHYS 151 College Physics I OR PHYS 204 Physics-Mechanics

PHYS 152 College Physics II OR PHYS 205 Physics-Heat, Electricity & Magnetism

Astronomy or Meteorology Major

MATH 204 Analytic Geometry & Calculus II

PHYS 204 Physics-Mechanics

PHYS 205 Physics-Heat, Electricity & Magnetism

4. Fulfill all other Associate in Science degree requirements listed on page 112 of this catalog.
5. Apply for graduation by the date published in the college calendar
6. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Career Opportunities

A variety of careers are open to students who graduate with a bachelor's degree in geology, astronomy, meteorology or oceanography including:

- Geologist
- Oceanographer
- Mining engineer
- Meteorologist
- Teacher
- Astronomer
- Economic geologist
- Paleontologist
- Park naturalist
- Hydrologist
- Solar energy engineer
- Seismologist
- Agricultural scientist
- Environmental engineer
- Soil scientist
- Forest ranger
- Volcanologist

Engineering Pre-Major

Associate in Engineering Science Degree

swic.edu/engineering

Department Chair: Joy Branlund

Faculty: David Collins Jr., Lee Brendel, Steve Gentemann,
Tim Grant, Keven Hansen, Mitchell Robertson, Carmen Shepard,
Jennifer Simonton

IMPORTANT NOTE TO STUDENTS: The Illinois Articulation Initiative (IAI) Engineering Major Panel recommends students planning to pursue an engineering major upon transfer should complete the Associate in Engineering Science degree instead of the Associate in Arts or Associate in Science degree. If these students instead choose to complete the full general education package in the AA or AS degree, it is likely that they will either have too many hours in transfer and/or will miss important prerequisites and major courses that will prolong the time it takes to obtain the bachelor's degree. This is why the AES degree is the best option for students seeking a bachelor's degree in Engineering.

Note that different engineering specialties require a unique set of courses.

2+2 Articulation Agreements

- SIUE – BS Civil Engineering
- SIUE – BS Computer Engineering
- SIUE – BS Electrical Engineering
- SIUE – BS Mechanical Engineering
- SIUE – BS Industrial Engineering
- SIUE – BS Mechatronics and Robotics Engineering

Associate in Engineering Science Degree (AES1) – Engineering Pre-Major

Students who plan to earn an Associate in Engineering Science degree and then transfer to a four-year college or university to major in Engineering should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional

2. As you fulfill your degree requirements, it is strongly recommended by the IAI Engineering Major Panel that

Mathematics Pre-Major

Associate in Science Degree

swic.edu/math

Department Chair/Faculty: Keven Hansen
 Faculty: Lee Brendel, David Collins Jr., Trent Crews,
 Christopher Farmer, Timothy Grant, Jaime Manche,
 Michael McClure II, Julie Muniz, Melissa Rossi, Jennifer Simonton,
 Rajeev Talkad, Robert Wachtel, Kirsten Webb

As society has become more technical, many professions are requiring additional mathematical skills. Some of the fastest growing and highest paying fields require individuals with sophisticated mathematical competence, as well as other communication skills. A bachelor's degree in mathematics is a highly marketable degree in a wide variety of professions.

2+2 Articulation Agreements

- EIU – BS Mathematics-Applied Mathematics
- EIU – BS Mathematics-Pure Mathematics
- SIUE – BS Mathematics-Actuarial Science
- SIUE – BS Mathematics-Applied Mathematics
- SIUE – BS Mathematics-Pure Mathematics
- SIUE – BS Mathematics-Statistics

Important Transfer Information

C D G ()

If you KNOW where you are transferring:

- Transfer requirements vary by receiving institution.
- Plan your Associate in Science and transfer requirements with a SWIC academic advisor and use the transfer guide of the four-year institution you plan to attend.
- Refer to the Transfer Guide on page 39.

If you DON'T KNOW where you are transferring:

- Plan your Associate in Science with a SWIC academic advisor.
- The Associate in Science Degree Requirement Checklist (page 113) may be used as a GENERAL GUIDE; transfer requirements vary by receiving institution.
- Refer to the Transfer Guide on page 39.



Associate in Science Degree (0002) – Mathematics Pre-Major

Students who plan to earn an Associate in Science degree and then transfer to a four-year college or university to major in Mathematics should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Science degree listed on page 113 of this catalog. General Education course preferences may vary by transfer institution. For students who do not know where they plan to transfer, the Illinois Articulation Initiative (IAI) Mathematics Major Panel recommends the following general education courses for this major:
 - MATH 203 Analytic Geometry & Calculus I
 - PHYS 204 Physics & Mechanics
2. As you fulfill your degree requirements, it is strongly recommended by the IAI Mathematics Major Panel that you take the following classes:
 - MATH 204 Analytic Geometry & Calculus II
 - MATH 205 Analytic Geometry & Calculus III
 - MATH 292 Linear Algebra
 - MATH 290 Differential Equations

Mathematics Pre-Major (continued)

3. The additional courses recommended below may be applicable toward a baccalaureate Mathematics major. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - MATH 191 Introduction to Statistics
 - MATH 170 Computer Science I - C++
OR MATH 171 Computer Science I – JAVA
OR MATH 210 Computer Programming for Engineers
 - PHYS 205 Physics at, Electricity & Magnetism
4. Fulfill all other Associate in Science degree requirements listed on page 112 of this catalog.
5. Apply for graduation by the date published in the college calendar
6. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Career Opportunities

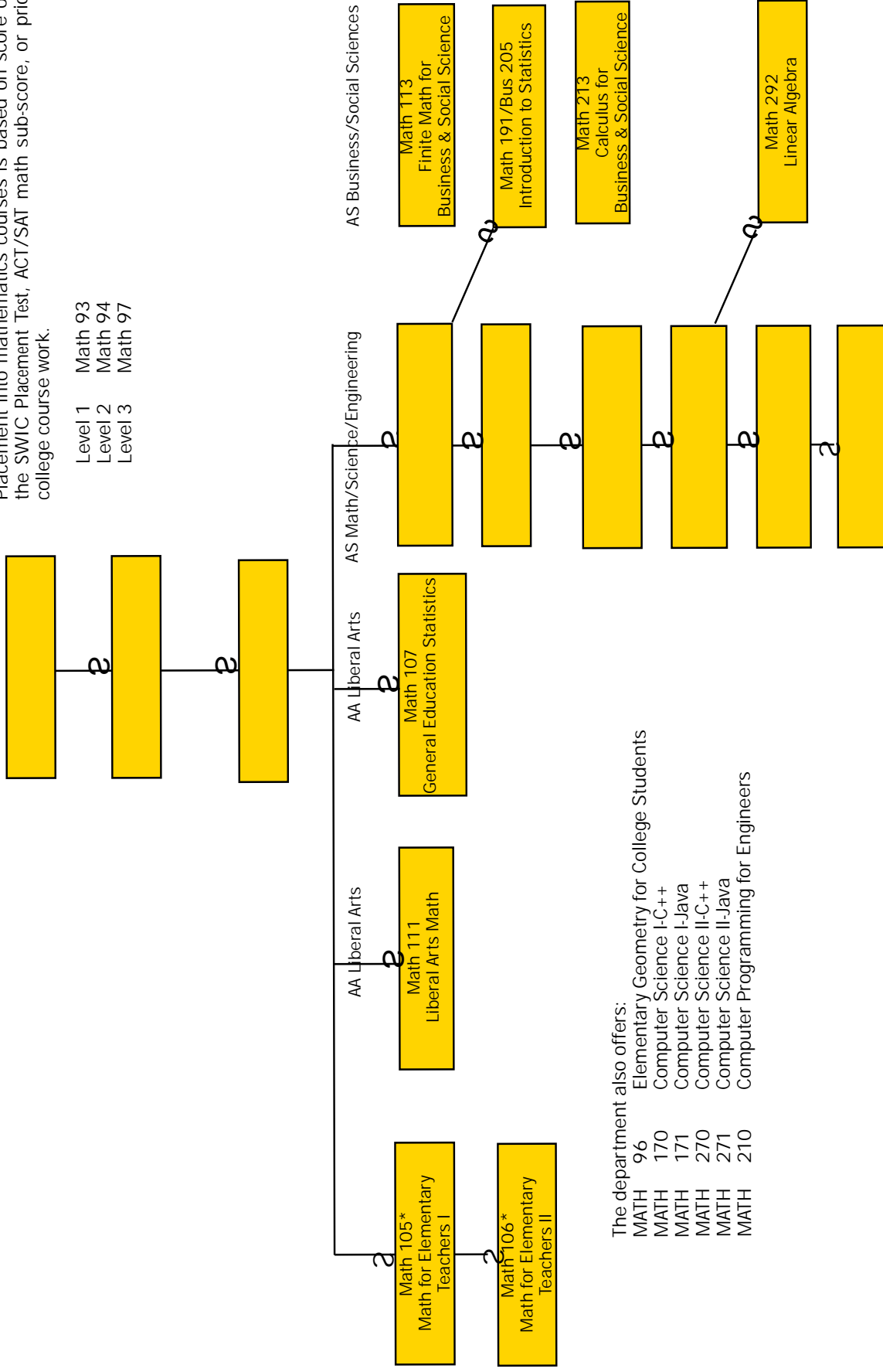
A variety of careers are open to students who graduate with a bachelor's degree in math including:

- Statistician
- Actuary
- Operations research analyst
- Engineer (civil, electrical, mechanical, etc.)
- Teacher
- Financial analyst
- Systems consultant
- Research data analyst

Math Sequence

Implementation
 Placement into mathematics courses is based on score on the SWIC Placement Test, ACT/SAT math sub-score, or prior college course work.

- Level 1 Math 93
- Level 2 Math 94
- Level 3 Math 97



The department also offers:
 MATH 96 Elementary Geometry for College Students
 MATH 170 Computer Science I-C++
 MATH 171 Computer Science I-Java
 MATH 270 Computer Science II-C++
 MATH 271 Computer Science II-Java
 MATH 210 Computer Programming for Engineers

To enroll in any of the above mathematics classes you must complete or place out of all the courses listed prior to it in the sequence

Physics Pre-Major

Associate in Science Degree

swic.edu/physics

Department Chair: Joy Branlund
Faculty: Carmen Shepard

Physics seeks to understand the very basic concepts of force, energy, mass and charge. It is a broad and deep subject split into theoretical and experimental branches. Theoretical physics deals with the inquiry and formulation of new theories while experimental physics tests and analyzes these or previously existing theories. Physics relies extensively on sophisticated mathematics to provide its framework of study. A degree in physics can lead to careers from engineering to space research. Nuclear power, lasers and solid-state electronics are examples of technological applications.

Pre-Dentistry Pre-Major Associate in Science Degree

swic.edu/pre-dentistry

Dentists focus on maintaining oral health through such preventive and repair practices as extracting, filling, cleaning or replacing teeth; performing corrective work, such as straightening teeth; treating diseased tissue of the gums; performing surgical operations on the jaw or mouth; and making and fitting false teeth. To be a dentist, one must attend dental school after graduating from college. Most dental schools require applicants to pass the DAT, Dental Admissions Test, which tests a student's ability to succeed in dental school.

Individuals interested in pursuing dentistry as a career should also note the importance of manual dexterity and scientific ability. Skilled, steady hands are necessary, as well as good space and judgment and artistic and creative ability. Good vision is required because of the detailed work. Individuals should also possess a love of learning since advances in dental research require dentists to continue their education throughout their careers.

Important Transfer Information

C D G () ,

If you KNOW where you are transferring:

- Transfer requirements vary by receiving institution.
- Plan your Associate in Science and transfer requirements with a SWIC academic advisor and use the transfer guide of the four-year institution you plan to attend.
- Refer to the **Transfer Guide** on page 39.

If you DON'T KNOW where you are transferring:

- Plan your Associate in Science with a SWIC academic advisor.
- The Associate in Science Degree Requirement Checklist (page 113) may be used as a GENERAL GUIDE; transfer requirements vary by receiving institution.
- Refer to the **Transfer Guide** on page 39.

Associate in Science Degree (0002) – Pre-Dentistry Pre-Major

Students who plan to earn an Associate in Science degree, transfer to a four-year college or university, and then continue on to a school of dentistry should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

Fulfill the General Education and other institutional requirements for the Associate in Science degree listed on page 113 of this catalog. General Education course preferences may vary by transfer institution.

As you fulfill your degree requirements, it is strongly recommended that you take the following classes:

- BIOL 101 Principles of Biology I
 - BIOL 102 Principles of Biology II
 - CHEM 105 General Chemistry I
 - CHEM 106 General Chemistry II
 - CHEM 201 Organic Chemistry I
 - CHEM 202 Organic Chemistry II
3. Most dental schools will accept the following courses for credit towards meeting admission requirements:
 - MATH 191 Introduction to Statistics
 - PHYS 151 College Physics I
 - PHYS 152 College Physics II
 4. The optional courses listed below may be applicable toward admission to dental school. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - PSYC 151 General Psychology
 - BIOL 270 Genetics
 - MATH 203 Analytic Geometry & Calculus I
 5. Fulfill all other Associate in Science degree requirements listed on page 112 of this catalog.
 6. Apply for graduation by the date published in the college calendar.
 7. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

Pre-Medicine Pre-Major Associate in Science Degree

swic.edu/pre-med

A physician's responsibilities cover a wide range of functions in

Pre-Pharmacy Pre-Major

Associate in Science Degree

swic.edu/pre-pharmacy

Pharmacists distribute prescription drugs to individuals and advise patients and physicians on the selection, dosages, interactions and side effects of medications. Pharmacists monitor the health of patients to ensure the safe and effective use of medication.

They also advise patients about general health topics such as diet, exercise and stress management. They could be involved in research for pharmaceutical manufacturers, developing new drugs and testing their side effects, or they could work in marketing, sales, or carrying out cost-benefit analysis on certain drugs.

Other pharmacists work for the government or public health care services.

Pre-Veterinary Medicine Pre-Major Associate in Science Degree

swic.edu/pre-vet

A veterinarian's responsibilities cover a wide range of functions in animal health maintenance, including both acute care and preventive care approaches. These responsibilities include diagnosing disease, supervising the care of animals, and prescribing and implementing treatment.

Important Transfer Information

C D G ()

If you KNOW where you are transferring:

- Transfer requirements vary by receiving institution.
- Plan your Associate in Science and transfer requirements with a SWIC academic advisor and use the transfer guide of the four-year institution you plan to attend.
- Refer to the Transfer Guide on page 39.

If you DON'T KNOW where you are transferring:

- Plan your Associate in Science with a SWIC academic advisor.
- The Associate in Science Degree Requirement Checklist (page 113) may be used as a GENERAL GUIDE; transfer requirements vary by receiving institution.
- Refer to the Transfer Guide on page 39.



Associate in Science Degree (0002) – Pre-Veterinary Medicine Pre-Major

Students who plan to earn an Associate in Science degree, transfer to a four-year college or university, and then continue on to a school of veterinary medicine should follow the steps listed below. It is strongly recommended that you confer with a SWIC academic advisor prior to enrolling each semester and familiarize yourself with the specific requirements of the four-year institution where you plan to transfer.

1. Fulfill the General Education and other institutional requirements for the Associate in Science degree listed on page 113 of this catalog. General Education course preferences may vary by transfer institution.
2. As you fulfill your degree requirements, it is strongly recommended that you take the following classes:
 - AGRI 111 Animal Science
 - BIOL 101 Principles of Biology I
 - BIOL 102 Principles of Biology II
 - CHEM 105 General Chemistry I
 - CHEM 106 General Chemistry II
 - CHEM 201 Organic Chemistry I
 - CHEM 202 Organic Chemistry II
3. Most veterinary schools will accept the following classes for credit towards meeting admission requirements
 - MATH 191 Introduction to Statistics
 - PHYS 151 College Physics I
 - PHYS 152 College Physics II
4. The optional courses listed below may be applicable toward admission to veterinary schools. Please keep in mind that most transfer institutions limit the number of semester credits taken within a student's major field of study at the community college level. To ensure the acceptance of such courses toward your intended major, check with the four-year institution where you are transferring or a SWIC academic advisor regarding their applicability.
 - BIOL 204 Vertebrate Zoology
 - BIOL 270 Genetics
 - MATH 203 Analytic Geometry & Calculus I
5. Fulfill all other Associate in Science degree requirements listed on page 112 of this catalog.
6. Apply for graduation by the date published in the college calendar.
7. Earn at least 64 transferable credits with a minimum cumulative grade point average of 2.00 to graduate from SWIC. Many transfer institutions require a higher GPA for admission to the institution and/or specific majors.

Note: Enrollment in many transfer classes is based on your fulfillment of course requisites and/or your placement in Math and English classes.

PROGRAMS
THAT LEAD
DIRECTLY TO

EMPLOYMENT



Southwestern Illinois College offers, but is not limited to, the following degree and certificate programs

Accounting Program

Accounting AAS

- ☐ Bookkeeping Certificate

Administration of Justice Program

Administration of Justice AAS

- ☐ Administration of Justice Certificate
- ☐ Armed Private Security Certificate
- ☐ Unarmed Private Security Certificate
- ☐ Police Academy Certificate

Aviation Maintenance Technology Program

Aviation Maintenance Technology AAS

- ☐ Airframe & Powerplant Certificate
- ☐ Airframe Certificate
- ☐ Powerplant Certificate

Aviation Management AAS

- ☐ Aircraft Dispatcher Certificate

Aviation Pilot Training Program

Aviation Pilot Training - Airplane/Helicopter AAS

- ☐ Aviation Pilot Training Certificate
- ☐ Private Pilot Certificate

Commercial Maintenance Mechanics Program

Commercial Maintenance Mechanics AAS

- ☐ Commercial Maintenance Mechanics Certificate

Computer Aided Design Program

Computer Aided Design AAS

General, Architecture/Structural Detail or Machine
Specialization

- ☐ Computer Aided Design Certificate

Computer Information Systems Program

Computer Information Systems AAS

Computer Management Information Systems AAS

Database Development & Management AAS

Software Development AAS

CIS Tech Support/Help Desk AAS

- ☐ C# Programming Certificate
- ☐ C++ Programming Certificate
- ☐ Computer Technology
- ☐ Database Administration Certificate
- ☐ Database Development Certificate
- ☐ Java Programming Certificate
- ☐ Visual Basic Programming Certificate

Construction Apprenticeship Training Programs

Construction Bricklayer AAS

- ☐ Bricklayer Apprentice Certificate

☐ C# Programming Certificate

- Degree
 - ... Degree & Certificate Program
 - ☒ Certificate
-
- Graphic Communications Program
- Graphic Communications AAS
 - ☒ Graphic Design Certificate
- Health Information Technology AAS
- Heating, Ventilation, Air Conditioning and Refrigeration Program
- Heating, Ventilation, Air Conditioning and Refrigeration AAS
 - ☒ HVAC Certificate
- Horticulture Program
- Horticulture AAS
 - General Horticulture, Turf Management, Floral Design, Nursery and Landscaping, Greenhouse, or Fruits and Vegetables specialization
 - ☒ Horticulture Certificate
 - ☒ Floral Design Certificate
- Human Services Technology Program
- Human Services Technology AAS
 - Youth Care, Elder Care or Criminal Justice Social Services Specialization
 - ☒ Psychiatric Rehabilitation Certificate
- Industrial Maintenance Mechanics Program
- Industrial Maintenance Mechanics AAS
 - ☒ Industrial Maintenance Mechanics Certificate
 - ☒ Stationary Engineering Certificate
- Management Program
- Management AAS
 - ☒ Management Certificate
 - ☒ Logistics and Supply Chain Management Certificate
- Marketing Program
- Marketing AAS
- ☒ Digital Marketing Certificate
 - ☒ Marketing Certificate
- Massage Therapy Program
- Massage Therapy AAS
- ☒ Massage Therapy Certificate
 - ☒ Neuromuscular Therapy Certificate
- Medical Assistant Program
- Medical Assistant AAS
- ☒ Medical Assistant Certificate
- Medical Billing & Coding
 - ... Medical Laboratory Technology Program
- Medical Laboratory Technology AAS
- ☒ Phlebotomy Certificate
- Music Technology Program
- Music Technology AAS
- ☒ Recording Technology Certificate
- Nurse Assistant Certificate
- Nursing Education AAS
- Office Administration and Technology Program
- Office Administration AAS
- Office Technology Specialist AAS
- ☒ Administrative Office Support Certificate
 - ☒ Microsoft Office Specialist Certificate
 - ☒ Office Support Technology Certificate
 - ☒ Office Technology Assistant I Certificate
 - ☒ Office Technology Assistant II Certificate
 - ☒ Virtual Assistant Certificate
- Paralegal Studies AAS
- Paramedic/Paramedicine Program
- Paramedicine AAS
- ☒ Paramedic Certificate
- Physical Therapist Assistant AAS
- Precision Machining Technology Program
- Precision Machining Technology AAS
- ☒ Precision Machining Technology Certificate
 - ☒ CNC Machining Certificate
 - ☒ Mastercam Certificate
 - ☒ Solid Works Certificate
 - ☒ Advanced CNC Programming Certificate
- Radiologic Technology AAS
- ☒ Computed Tomography Certificate
- Respiratory Care AAS
- Sign Language Studies: Interpreter Program
- Sign Language Studies: Interpreter AAS
- ☒ Sign Language/Basic Communication Certificate
- ☒ Warehousing and Distribution Certificate
- Web Technologies Program
- Web Technologies AAS
- Web Designer and Web Development specialization
 - ☒ Web Coding Certificate
 - ☒ Web Design Certificate
 - ☒ Java Programming Certificate
- Welding Technology Program
- Welding Technology AAS
- ☒ Welding Technology Certificate
 - ☒ Welding Technology Advanced Certificate
 - ☒ Welding Technology Specialized Certificate
 - ☒ Advanced Welding Manufacturing Certificate

Associate in Applied Science

Description:

[REDACTED]

[REDACTED]

Refer to the blue AAS program pages for the specific course requirements for each of the AAS degrees. Students must complete at least 15 semester credits of General Education requirements. This page is a reference for general education courses in the areas of Communications, Humanities,

Accounting

swic.edu/accounting-aas

Department Chair: Dawn Peters, ext. 5487
Faculty: Jessica Talleur

Dean: Janet Fontenot

The Accounting AAS program prepares students for a variety of jobs including entry-level accounting positions, or for a career as a full-charge bookkeeper. The curriculum includes ACCT 212 Certified Bookkeeper Review. Upon successful completion of the course, students may choose to sit for the Certified Bookkeeper exam, administered by an independent provider and scheduled by the student. This program does not prepare a student to sit for the CPA exam. Individuals who intend to transfer upon graduation to a four-year institution for an undergraduate degree in accounting should review the Associate in Arts degree curriculum for business transfer (Accounting) before selecting the AAS degree program. Course availability varies from semester to semester. Students must pay close attention to the requisites for each course. Contact an academic advisor or the program coordinator for more information about this degree program including the master course schedule.

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the *C D G* (yellow section) in this catalog.

Second Year		Semester Credits
Fall Semester		
Accounting Elective		3
ACCT 206	Individual/Business Tax OR	
MGMT 206	Individual/Business Tax	3
BUS 215	Business Law	3
OAT 261	Business Communications	3
Human Relations Elective		3
Total Semester Credits		15

Apply for Graduation Now

Spring Semester		Semester Credits
ACCT 212	Certified Bookkeeper Review	

Accelerated Degree Option

Anyone who has completed an associate or bachelor's degree from a regionally accredited college may earn an Associate in Applied Science degree in accounting by completing at least 27 semester credits of program-related coursework. A plan of specific courses required for the degree must be obtained from the program coordinator and approved by the dean of the Business Division and the vice president for Instruction.

Only those courses completed at SWIC, and not included as part of the requirements for a previously earned degree or certificate, can be considered for this option. Students must meet all institutional requirements for the Associate in Applied Science degree.

Bookkeeping Certificate (049F)

The Bookkeeping Certificate prepares students for entry-level accounting support staff positions. The certificate provides the foundation for a career as a full-charge bookkeeper. Those with experience in the bookkeeping field who lack formal education will find the certificate useful in quantifying their experience for prospective employers and/or clients.

ACCT

Administration of Justice

Spring Semester			Semester Credits
EMS	105	First Responder-EMS**	4
AOJ	255	Criminal Investigation Case Preparation	3
AOJ	290	Police Report Writing	3
AOJ		Elective*	3
		Approved Elective****	4
Total Semester Credits			17
Total Program Credits			65

Students must meet all graduation requirements, including Human Relations, identified at the front of the catalog.

*AOJ electives may be selected from the following list of approved AOJ courses according to career goal. Law Enforcement: 101, 102, 110, 144, 145, 156, 160, 202, 204, 205, 256, 258, 278, 280 and HS 100; Corrections: 103, 106, 111, 250, 252, 261 and 278. Students with no criminal justice work experience or not planning to transfer to a senior institution should participate in a work-experience internship (AOJ 278) after completing 24 semester credits of AOJ-prefixed coursework and ENG 102 with a grade of C or better.

**EMS 110 may be substituted.

****Electives may be selected from any of the following subject areas: Administration of Justice, Foreign Language, Mathematics, Social Science, Physical Education, Life Sciences, Physical Sciences or an approved computer course: OAT 128, 130, 131, 132, 133, 146, 155, 156, 164, 165, 170, 171, 172, 175, 180, 185, 190, 225, 230, 240 and 285. A list of approved electives by course is available at swic.edu/aoj-degree-certificates. If you have taken a course or are interested in enrolling in a course which does not appear on the list, please contact the AOJ coordinator, 618-235-2700, ext. 5653 to request a review of the course you have/wish to enroll.

Administration of Justice Certificate (0030)

Those who want a concentrated program of study in only police science may enroll in the certificate program. Upon successful completion of the required courses, the student is awarded a certificate of program proficiency.

AOJ	100	Intro to Administration of Justice	3
AOJ	105	Police Administration	3
AOJ	151	Policing: Methods and Ethics	3
Total 24 semester credits			9

via 205 24 semester

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the C D G (yellow section) in this catalog.

Administration of Justice (continued)

Career Opportunities

A graduate of the Administration of Justice program is prepared to work as a:

- Police officer
- Patrol officer
- Security officer
- Corrections officer
- Deputy sheriff
- Community service officer

Police Academy Intern Training Program

Through the Illinois Law Enforcement Intern Training Act, qualified civilians may attend the Basic Law Enforcement Training Program. Traditionally, peace officers are hired by a law enforcement agency and then sent to a Police Academy for training. Now, qualified civilians have the opportunity to be trained prior to employment; and law enforcement agencies will have the opportunity to hire Police Academy-trained individuals ready for service.

Aviation Maintenance Technology

swic.edu/avmt

Faculty: Michael Dealy, ext. 7360
email: michael.dealy@swic.edu
Matthew Harter, ext. 7145
email: matthew.harter@swic.edu

Dean: Bradley Sparks

The Aviation Maintenance Technology program gives you the opportunity to obtain the FAA-approved Airframe and/or Powerplant Certificate in one year and an Associate in Applied Science degree with an additional semester of classes. The FAA-approved certificate allows you to take the FAA written, oral and practical tests in the General, Airframe, and Powerplant courses. Upon successful completion of the FAA tests, the FAA will issue a FAA Airframe and/or Powerplant License.

This program offers a one-year or two-year format. The one-year

Aviation Maintenance Technology (continued)

Powerplant Certificate (009C)

AVMT 140	Materials, Processes & Fabrication	3
AVMT 145	Basic Electricity & Technology	3
AVMT 150	Fundamentals & Operations	3
AVMT 155	Regulations & Science	3
AVMT 157	Turbine Engines	3
AVMT 158	Ignition and Starting Systems	3
AVMT 171	Aircraft Powerplant Systems & Components	3
AVMT 172	Aircraft Fuel Metering Systems	3
AVMT 176	Aircraft Propellers	3
AVMT 177	Aircraft Powerplant Systems	3
AVMT 186	Reciprocating Engine Overhaul	3
AVMT 187	Reciprocating Engine Maintenance	3
Total Credits		36

Students must earn a grade of C or better in all AVMT courses to meet degree and certificate requirements.

Test Prep Courses

Although these courses do not count toward the AVMT Associate in Applied Science degree or one of the certificates, individuals with sufficient aviation industry experience to obtain a sign-off from the FAA to take the written examination for the Aircraft Mechanic Airframe or Powerplant certificate may find them beneficial as they prepare for the exams.

AVMT 106	FAA Test Prep – Airframe	4
AVMT 107	FAA Test Prep – General	4
AVMT 108	FAA Test Prep – Powerplant	4

Avionics Courses

These courses are not part of the FAA-approved Airframe and Powerplant certificates, but are sometimes beneficial to those working in aviation fields.

AVE 131	Intro to Avionics Installation	3
AVE 141	Avionics Installation Trends	3

Other courses that may be of interest to AVMT students are: EET 260 and EET 264.

Requisites may be required for some courses. Refer to the Course Description Guide beginning on page 246.

Career Opportunities

The FAA license is necessary for the student to pursue career opportunities as a(n):

- Powerplant mechanic
- Airframe mechanic
- Combination airframe & powerplant mechanic (A&P mechanic)

Aviation Management

swic.edu/aviation-management

Coordinator/Faculty: Keith Mueller, ext. 5683
email: keith.mueller@swic.edu

Dean: Bradley Sparks

The Aviation Management program provides students with an excellent foundation for a wide variety of well-compensated aviation-related career paths. The SWIC Aviation Management and Aviation Pilot Training programs have industry partnerships that provide students with an

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Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the *C* *D* *G* (yellow section) in this catalog.

Aviation Pilot Training – Airplane/Helicopter

swic.edu/pilot-training

Coordinator/Faculty: Keith Mueller, ext. 5683
email: keith.mueller@swic.edu

Dean: Bradley Sparks

Aviation Pilot Training – Airplane/Helicopter (continued)

Airplane Core Course: AVIA 101, AVIA 102, AVIA 103, AVIA 104, AVIA 201, AVIA 153, AVIA 202, AVIA 203, AVIA 151, AVIA 154, AVIA 155, AVIA 269. AVIA 270

Helicopter Core Courses: AVIA 111, AVIA 112, AVIA 113, AVIA 114, AVIA 211, AVIA 163, AVIA 212, AVIA 161, AVIA 263 and AVIA 265. Elective courses AVIA 271, AVIA 272, AVIA 273 and AVIA 274 are taught by Midwest Helicopter.

Aviation Electives

Airplane or Helicopter electives – not all courses are available every semester. Several are part of the AAS degree in Aviation Management program and are offered on a rotational basis.

Course	Semester	Credits
AVIA 105 Introduction to Civil Aviation		3
AVIA 108 Aviation History		3
AVIA 126 UAS Pilot Certification		1
AVIA 141 Federal Aviation Regulations		3
AVIA 160 Aviation Management I		3
AVIA 240* Aircraft Dispatcher Practical I		3
AVIA 241* Aircraft Dispatcher Practical II		3
AVIA 261 Aviation Management II		3
AVIA 262 High Altitude Meteorology		3
AVIA 264 Management of Aircraft Maintenance		3
AVIA 266 Airport Planning and Management		3
AVIA 280 Internship		3

*Applied to Fixed Wing Only

Helicopter Electives (Available all Semesters)

AVIA 271 Flight Instructor Helicopter Theory		3
AVIA 272 Flight Training Helicopter Instructor		2
AVIA		

Commercial Maintenance Mechanics

Computer Aided Design

Associate in Applied Science Degree (0035)

First Year

Fall Semester	Semester Credits
CAD 120 Introductory CAD	4
CAD 101 Basic Drafting	4
ENG 101 Rhetoric & Composition I	3
GT 105 Intro to Technical Math OR	
MATH 112 College Algebra	4
Total Semester Credits	15

Spring Semester

Spring Semester	Semester Credits
CAD 102 Intermediate Drafting	4
CAD 220 Advanced CAD I	3
CAD 221 Advanced CAD II	4
Humanities OR Social Science Elective	3
SPCH 151 Fundamentals of Public Speaking OR	3
SPCH 155 Interpersonal Communication	
Total Semester Credits	17

Summer Semester

CAD

Summer Semester	Semester Credits
CAD 292 Supervised Internship III*	3
Human Well-Being Course	2
Total Semester Credits	5

Second Year

Fall Semester

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the *C D G* (yellow section) in this catalog.

Computer Aided Design (continued)

Machine

CAD	100	Print Reading for Technical Trades	3
CAD	200	Manufacturing Processes & CAD Drawings (Required)	4
CAD	204	Manufacturing Drafting	3
CAD	206	E & I Drafting	3
CAD	225	MicroStation CAD	3
CAD	226	Intro to Geo Dim & Tolerance (GD&T)	3
CAD	232	Structural Detail Mtl Cd Std	2
CAD	233	Structural Detail CAD	2
CAD	234	Basic Structural Detail Drafting	3
CAD	290		

Computer Information Systems

swic.edu/cis

For more computer classes, see:

Cybersecurity and Networking
Graphic Communications
Office Administration & Technology
Web Technologies

Coordinator/Faculty: Tim Brown, ext. 5502
Faculty: Lawrence Appelbaum, Matt Swinford

Dean: Janet Fontenot

The Computer Information Systems program offers an Associate in Applied Science degree for computer specialists and for application programmers. The program provides the technical skills and knowledge required for the effective utilization of computers in the business environment. The program also offers three Computer Information Systems options and several Computer Information Systems certificates.

2+2 Articulation Agreements

- SIUC – BS Information System Technologies

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the **C** **D** **G** (yellow section) in this catalog.

Associate in Applied Science Degrees

Computer Information Systems (0010)

First Year		Semester Credits
Fall Semester		
MATH 107	General Education Statistics (or higher)	4
CIS 180	Introduction to Programming	3
CIS 181	Operating System/Windows	3
CIS 185	Introduction to Information Technology	3
ENG 101	Rhetoric & Composition I	3
Human Well-Being Elective		2
Total Semester Credits		18

Spring Semester		Semester Credits
CIS 164	Internet Essentials	3
CIS 174	Web Fundamentals I	3
CIS 184	Visual Basic Programming I	3
OAT 175	Electronic Spreadsheet	3
NETW 101	Introduction to Networking	3
SPCH 155	Interpersonal Communications OR	3
SPCH 151	Fundamentals of Public Speaking	3
Total Semester Credits		18

Second Year		Semester Credits
Fall Semester		
EET 256	Preparation for A+ Certification	3
CIS 195	Introduction to Databases	3
CIS 246	Systems Development & Designs I	3
CIS 252	C# Programming I	3
OAT 185	Database Applications	3
CIS Approved Electives		3
Total Semester Credits		18

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Spring Semester		Semester Credits
ECON 201	Principles of Economics I (Macro)	3
CIS 275	SQL	3
CIS 297	Information Technology Internship	3
CIS Approved Electives		3
Human Relations Elective		3
Total Semester Credits		15
Total Program Credits		69

CIS Electives (0010)

		Semester Credits
CIS 165	Python Programming	3
CIS 177	Web Development I	3
CIS 178	Administrative Scripting	3
CIS 179	Computer User Support	3
CIS 187	Web Programming I	3
CIS 212	Web Development II	3
CIS 241	Visual Basic for Applications	3
CIS 250	C++ Programming I	3
CIS 256	Web Server Programming	3
CIS 260	C++ Programming II	3
CIS 262	C# Programming II	3
CIS 263	Data Access	3
CIS 264	ASP	3
CIS 266	Database Design	3
CIS 274	Mobile Application Development	3
CIS 277	jQuery	3
CIS 284	Visual Basic Programming II	3
CIS 287	Web Programming II	3
CIS 288	Web Server Programming II	3

Requisites may be required for some courses. Refer to the Course Description Guide beginning on page 246.

Accelerated Degree Option

Anyone who has completed an associate or bachelor's degree from a regionally accredited college may earn an Associate in Applied Science degree in Computer Information Systems (0010) by completing at least 27 semester credits of program-related coursework. A plan of specific courses required for the degree must be obtained from the program coordinator and approved by the dean of the Business Division and the vice president for Instruction. Only those courses completed at SWIC, and not included as part of the requirements for a previously earned degree or certificate, can be considered for this option. Students must meet all institutional requirements for the Associate in Applied Science degree.

Computer Information Systems (continued)

Database Development & Management (010B)

The Computer Information Systems – Database Development & Management program offers an Associate in Applied Science degree to prepare students to be database developers and managers.

Application database developers perform tasks that involve construction, documentation, installation or maintenance of database systems. Database managers work with database management systems software and determine ways to organize and store data. They also set up computer databases and test and coordinate changes to them.

First Year

Fall Semester		Semester Credits	
CIS	125	Operating System Basics	1
CIS	180	Introduction to Programming	3
CIS	185	Introduction to Information Technology	3
CIS	195	Introduction to Databases	3
ENG	101	Rhetoric & Composition I	3
OAT	185	Database Applications	3
Total Semester Credits		16	

Spring Semester

Spring Semester		Semester credits	
CIS	184	Visual Basic Programming I	3
CIS	246	Systems Development & Design I	3
CIS	275	SQL	3
MATH	107	General Education Statistics (or higher)	4
SPCH	151	Fundamentals of Public Speaking	3
Human Well-Being Elective		2	
Total Semester Credits		18	

Second Year

Fall semester		Semester Credits	
CIS	252	C# Programming I	3
CIS	266	Database Design	3
CIS	281	Database Programming	3
ECON	201	Principles of Economics I (Macro)	3
Human Relations Elective		3	
Total Semester Credits		15	

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Spring Semester		Semester Credits	
CIS	263	Data Access	3
CIS	283	Database Administration	3
CIS	297	Information Technology Internship	3
CIS Approved Electives		6	
Total Semester Credits		15	

Total Program Credits 64

CIS Electives (010B)		Semester Credits	
CIS	174	Web Fundamentals I	3
CIS	187	Web Programming I	3
CIS	212	Web Development II	3
CIS	241	Visual Basic for Applications	3
CIS	250	C++ Programming I	3
CIS	260	C++ Programming II	3
CIS	262	C# Programming II	3
CIS	264	ASP	3
CIS	284	Visual Basic Programming II	3
CIS	287	Web Programming II	3
CIS	288	Web Server Programming II	3

Computer Information Systems (continued)

Computer Management Information Systems (0116)

The Computer Management Information Systems degree is an Associate in Applied Science degree that provides students with two paths. The degree is designed to prepare students for entry into the job market as computer specialists or entry-level software developers while providing students with the requisite knowledge for transfer to a senior institution. Upon completion of the degree, students may seek employment and/or apply for a seamless transition to a senior institution.

Program Requisite		Semester Credits
CIS 180	Introduction to Programming	3
Must be taken before taking a programming course		

First Year

Fall Semester		Semester Credits
ENG 101	Rhetoric & Composition I	3
SPCH 151	Fundamentals of Public Speaking	3
PHIL 151	Introductory Logic	3
CIS 185	Introduction to Information Technology	3
HIST 250	20th Century Western Civilization	3
IAI Literature		

Construction Apprenticeship Training Programs

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the C D G (yellow section) in this catalog.

Construction Bricklayer Associate in Applied Science Degree (039C) and Bricklayer Apprentice Certificate (040C)

First Year

Fall Semester			Semester Credits
BLA	118	Construction Bricklayer Apprentice I*	4
BLA	128	Construction Bricklayer Apprentice II*	4
CMT	102	Construction Blueprints & Specifications	3
CMT	103	Construction Materials & Methods I	3
ENG	101	Rhetoric & Composition I	3
Total Semester Credits			17 Total Semester C

Spring Semester

Spring Semester			Semester Credits
BLA	138	Construction Bricklayer Apprentice III*	4
BLA	148	Construction Bricklayer Apprentice IV*	4
CMT	244	Occupational Safety & Health I	3
CMT	152	Construction Materials & M	3
Total Semester Credits			14 Total Semester C

Construction Apprenticeship Training Programs (continued)

Construction Carpentry Associate in Applied Science Degree (039G) and Carpentry Apprenticeship Certificate (040G)

First Year			Semester Credits
Fall Semester			
CCA	116	Health & Safety I*	2
CCA	117	Shop Orientation*	2
CCA	118	Concrete Formwork I*	2
CCA	119	Concrete Formwork II*	2
MGMT	221	Fundamentals of Labor Relations	3
ENG	101	Rhetoric & Composition I	3
Total Semester Credits			14

Spring Semester			Semester Credits
CCA	126	Residential Framing I*	2
CCA	127	Residential Framing II*	2
CCA	128	Interior Systems Framing I*	2
CCA	129	Interior Systems Framing II*	2
CCA	165	Construction Carpentry Internship I	4
CMT	244	Occupational Safety & Health I	3
Total Semester Credits			15

Second Year			Semester Credits
Fall Semester			
CCA	236	Millwright Basics I*	2
CCA	237	Millwright Basics II*	2
CCA	238	Carpentry Welding Basics I*	2
CCA	239	Carpentry Welding Basics II*	2
CCA	270	Construction Carpentry Internship II	4
Communications Course			3
Humanities OR Social Science Course			3
Total Semester Credits			18

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Spring Semester			Semester Credits
CCA	246	Safety Orientation I*	2
CCA	247	Safety Orientation II*	2
CCA	248	Interior/Exterior Trim*	2
CCA	249	Intermediate Prints*	2
CCA	290	Construction Carpentry Internship III	4
HES	152	First Aid-Medical Self Help OR	2
HES	151	Personal Health and Wellness	2
Human Relations Course			3
Total Semester Credits			17
Total Program Credits			64

*A Carpentry Apprenticeship Certificate will be given after the completion of the 16 courses marked with asterisks.

Construction Cement Mason Associate in Applied Science Degree (039A) and Construction Cement Mason Certificate (040A)

First Year			Semester Credits
Fall Semester			
CMA	113	Construction Cement Mason Apprentice I*	4
CMT	244	Occupational Safety & Health I	3
CMT	102	Construction Blueprints & Specifications	3
CMT	103	Construction Materials & Methods I	3
ENG	101	Rhetoric & Composition I	3
Total Semester Credits			16

Spring Semester			Semester Credits
CMA	123	Construction Cement Mason Apprentice II*	4
MGMT	221	Fundamentals of Labor Relations	3
CMT	152	Construction Materials & Methods II	3
CMT	153	Construction Estimating - Cost Accounting	3
Communications Course			3
Total Semester Credits			16

Second Year			Semester Credits
Fall Semester			
CMA	133	Construction Cement Mason Apprentice III*	4
CMA	245	Construction Carpentry Apprentice IV*	4
MGMT	213	Human Relations in the Workplace	3
ENGR	251	Surveying	3
Humanities OR Social Science Course			3
Total Semester Credits			17

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Spring Semester			Semester Credits
CMA	255	Construction Cement Mason Apprentice V*	4
CMA	265	Construction Cement Mason Apprentice VI*	4
BUS	101	Introduction to Business	3
HES	152	First Aid-Medical Self Help OR	2
HES	151	Personal Health and Wellness	2
Human Relations Course			3
Total Semester Credits			16
Total Program Credits			65

*A Construction Cement Mason Apprenticeship Certificate will be given after the completion of the six courses marked with asterisks.

Construction Electrical Specialist*** Associate in Applied Science Degree (039E)

First Year			Semester Credits
Fall Semester			
IEW Certificate Courses**			8
CMT	258	Contracts & Claims	3
ENG	101	Rhetoric & Composition I	3
Total Semester Credits			14

Spring Semester			Semester Credits
IEW Certificate Courses**			8
MGMT	221	Fundamentals of Labor Relations	3
Communications Course			3
CIS Elective (requires coordinator approval)			3
Total Semester Credits			17

Second Year			Semester Credits
Fall Semester			
IEW Certificate Courses**			8
HES	152	First Aid-Medical Self Help OR	2
HES	151	Personal Health and Wellness	2
Human Relations Course			3
CMT	257	Construction Planning & Scheduling	3
Total Semester Credits			16

Apply for Graduation Now

Construction Apprenticeship Training Programs (continued)

	Semester Credits
Spring Semester	
IEW Certificate Courses**	8
CMT 103 Construction Materials & Methods I	3
CMT 153 Construction Estimating-Cost Accounting I	3
Humanities OR Social Science Course	3
Total Semester Credits	17
Total Program Credits	64

* All IEW courses are approved for the AAS degree except IEW 111 and IEW 112

**

***For those students not admitted to the apprenticeship program and who would like to pursue training in the electrical/electronics field, please see the Electrical/Electronics Technology section of this catalog.

Construction Electrical Wireman Certificate (040E)

IEW 111	IBEW Electrician Inside Wireman I*	4
IEW 112	IBEW Electrician Inside Wireman II*	4
IEW 113	IBEW Electrician Inside Wireman III	4
IEW 114	IBEW Electrician Inside Wireman IV	4
IEW 211	IBEW Electrician Inside Wireman V	4
IEW 212	IBEW Electrician Inside Wireman VI	4
IEW 213	IBEW Electrician Inside Wireman VII	4
IEW 214	IBEW Electrician Inside Wireman VIII	4
IEW 215	IBEW Electrician Inside Wireman IX	4
IEW 216	IBEW Electrician Inside Wireman X	4
IEW 118	IBEW Elec Wireman Internship I	4
IEW 218	IBEW Elec Wireman Internship II	4
Total Credits		48

Construction Electrical Residential (040H)

IEW 131	IBEW Electrician Residential I	4
IEW 132	IBEW Electrician Residential II	4
IEW 233	IBEW Electrician Residential III	4
IEW 234	IBEW Electrician Residential IV	4
IEW 235	IBEW Electrician Residential V	4
IEW 236	IBEW Electrician Residential VI	4
IEW 138	IBEW Elec Residential Internship I	4
IEW 238	IBEW Elec Residential Internship II	4
Total Semester Credits		32

Construction Electrical Telecom (040I)

IEW 151	IBEW Electrician Installer/Tech I	4
IEW 152	IBEW Electrician Installer/Tech II	4
IEW 153	IBEW Electrician Installer/Tech III	4
IEW 154	IBEW Electrician Installer/Tech IV	4
IEW 251	IBEW Electrician Installer/Tech V	4
IEW 252	IBEW Electrician Installer/Tech VI	4
IEW 157	IBEW Elec Install/Tech Internship I	4
IEW 257	IBEW Elec Install/Tech Internship II	4
Total Semester Credits		32

Construction Electrical Lineman (040J)

IEW 141	IBEW Electrician Lineman I	4
IEW 142	IBEW Electrician Lineman II	4
IEW 241	IBEW Electrician Lineman III	4
IEW 242	IBEW Electrician Lineman IV	4
IEW 243	IBEW Electrician Lineman V	4
IEW 244	IBEW Electrician Lineman VI	4
IEW 145	IBEW Elec Lineman Internship I	4
IEW 245	IBEW Elec Lineman Internship II	4
Total Semester Credits		32

Construction Apprenticeship Training Programs (continued)

**Construction Painting and Decorating
Associate in Applied Science Degree (039F)
and Painting and Decorating Apprentice**

Construction Management Technology

Summer Semester		Semester Credits
CMT 152	Materials and Methods II (Summer Only)	3
Total Semester Credits		3

Second Year		Semester Credits
Fall Semester		
CMT 105	Computer Apps for Construction (Fall Only)	4
CMT 257	Planning and Scheduling (Fall Only)	3
CMT 258	Contracts and Claims	3
ENGR 251	Surveying	3
HES 152	First Aid-Medical Self Help	2
Total Semester Credits		15

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Spring Semester		Semester Credits
CMT 150	Internship**	

Important Information

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Construction Management Technology (continued)

Certificate Programs

CMT Certificate (0040) - 35 semester credits/ 4 semesters

A certificate program in Construction Management Technology is primarily for in-service training of persons employed in the construction field. Students acquire further formal training in their occupation.

	Semester Credits
CMT 100 Introduction to Construction	2
CMT 102 Construction Documents	3
CMT 103 Construction Materials & Methods I	3
CMT 105 Computer Applications for Construction	4
CMT 152 Construction Materials and Methods II	3
CMT 153 Construction Estimating	3
CMT 206 Building Systems (MEP)	3
CMT 244 Occupational Safety & Health I	3
CMT 257 Construction Planning & Scheduling	3
CMT 258 Contracts and Claims	3
CMT 268 Project Administration	2
ENGR 251 Surveying	3
Total Credits	35

Building Performance Certificate (036A)

This certificate program focuses on energy efficiency of residential structures and provides the student opportunity for nationally recognized Building Performance Institute certifications. Building analysis and weatherization techniques including blower door, indoor air quality and combustion analysis are included. Specific focus on building science, buildings and their systems, standards and specifications is included.

	Semester Credits
CMT 147 Energy Auditor	4
CMT 148 Weatherization Specialist	4
CMT 149 Weatherization II	1.5
Total Credits	9.5

Building Information Modeling Certificate (036B) - 8 semester credits/ 2 semesters

The SWIC Building Information Modeling Certificate provides opportunities for students to explore pre-construction and construction phases of building projects using information modeling software. The computer is very much alive in the construction industry and as demand increases as a result of more stringent building codes, sustainable construction methods and alternate project delivery methods, use of BIM will continue to grow. Students are required to learn modeling software including identification and assembly of parts and products like trace

Culinary Arts and Food Management (continued)

CUL Electives	Semester Credits
CUL 112 Advanced Professional Cooking	3
CUL 113 Soups, Stocks and Sauces	3
CUL 128 Advanced P	

Culinary Arts and Food Management (continued)

Culinary Arts (066D)

CUL 116	Food Service Sanitation OR Valid Food Handler's Certificate	1
CUL 101	Introduction to Culinary Arts	1
CUL 110	Professional Food Preparation I	5
CUL 111	Professional Food Preparation II	5
CUL 112	Advanced Professional Cooking	3
CUL 127	Baking & Pastry	2
CUL 209	Hospitality Management	3
CUL 228	Culinary Nutrition for Food Service	3
Total Credits		23

Baking & Pastry (066E)

CUL 116	Food Service & Sanitation OR Valid Food Handler's Certificate	1
CUL 101	Introduction to Culinary Arts	1
CUL 105	Food, Beverage & Labor Cost Control	3
CUL 110	Professional Food Preparation I	5
CUL 127	Baking & Pastry	2
CUL 128	Advanced Professional Baking	2
CUL 129	Cake Decorating I	2
CUL 130	Cake Decorating II	2
CUL 131	Experimental Baking Techniques	2
CUL 132	Ice Cream and Frozen Desserts	2
CUL 133	Sustainable Kitchen	2
CUL 209	Hospitality Management	3
CUL 228	Culinary Nutrition for Food Service	3
CUL 232	Advanced Decorating Techniques	4
CUL 233	Contemporary Plating Techniques	2
CUL 234	Breads, Rolls and Pastries	2
CUL 230	Internship I	3
Total Credits		41

Some courses have requisites. Refer to the Course Description Guide beginning on page 246.

Career Opportunities

- Bakery manager/owner
- Pastry chef

ETS0 8 60630 8

Cybersecurity and Networking (continued)

Career Opportunities

A graduate of the Cybersecurity and Networking program is prepared to work as a(n):

- Account representative
- Assistant network manager
- Email administrator
- Engineer network installer
- Firewall administrator
- Forensics expert
- Help desk specialist
- Help desk technician
- Information security analyst
- Network administrator
- Network communications
- Network security manager
- Network support specialist
- Network technician
- Network troubleshooter
- Operations analyst
- Security engineer
- Systems administrator
- Systems engineer
- Systems manager
- Vulnerability assessor
- WAN/LAN engineer

Certificate Programs

Network Associate Certificate (007A)

The Network Associate Certificate provides coursework for a range of networking subjects – from basics such as making cables and patching to the end of the Ethernet Spanning Tree of IP addressing strategies and WAN technologies. Courses also include the topics of basic network design, network components and router configurations. Students will gain hands-on experience with network equipment – including routers and switches – as part of their education.

Four classes are required to achieve the Network Associate Certificate from SWIC. These courses also prepare the student for the Cisco Certified Network Associate certification through Cisco Systems Inc.

The Course Description Guide begins on page 246 and courses are listed alphabetically according to subject area.

CISC	151	Cisco Network Essentials	4
CISC	152	Cisco Routing and Switching	4
CISC	153	Cisco Scaling Networks	4
CISC	154	Cisco Connecting Networks	4
Total Credits			16

Early Childhood Education

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the *C* *D* *G* (yellow section) in this catalog.

Electrical/Electronics Technology Programs

Associate in Applied Science Degrees and/or Certificate Programs in

- Industrial Electricity
- Electronics Technology
- Electrical Technology
- Automated Manufacturing Systems
- Microcomputer Hardware Repair

Career Degrees and Certificates

swic.edu/electrical

Coordinator: Mark Bosworth, ext. 7457
email: mark.bosworth@swic.edu

Faculty: Nicholas Douglas, ext. 7456
email: nicholas.douglas@swic.edu

Dean: Bradley Sparks, ext. 7420
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Electrical and electronic devices, circuits, equipment and systems play a major role in countless aspects of the world in which we live and work. Computers, cell phones, home appliances, heating/cooling systems, cars, lighting, hospital equipment, industrial and manufacturing systems, alternative energy systems, and an almost endless list of other items, all use some form of electronic circuitry and electrical power to perform their various functions. In many respects, electricity/electronics is the major and most universal component common to this almost endless list of technologies that surround us and that we encounter and use daily. Developing, building and maintaining these ever-expanding and increasingly complex electrically driven technologies will require well-trained electricians and electronic technicians who have a solid foundation and skills in electrical and electronic theories, devices, equipment and systems. These electrical and

electronic technicians are needed and will continue to be needed in the future at all levels from product development through maintenance. The Electrical/Electronics Technology programs at SWIC are designed to do exactly that – provide students with those necessary skills and knowledge to become employed as one of those needed electrical and electronic technicians.

Employers value the balanced treatment of topics included in the college's Electrical/Electronic Technology curriculum. Students cover the spectrum from basic electrical concepts to operation and application of common electrical/electronic devices to current trends in industrial and electronic equipment and systems and design and estimating of electrical systems. Employers know a graduate of the Electrical/Electronics Technology program can function in a real-world setting, has the foundation of electrical knowledge and skills required to easily

adapt to and learn employers' particular equipment and systems, and can handle the lifelong learning required of today's technician.

Additionally, because of the universal nature and application of electricity and electronics, graduates who have a strong foundation in the electrical/electronic field can easily expand their skills and knowledge into other career areas to become multi-skilled craftsman.

Students can earn a Certificate of Proficiency or Associate in Applied Science degree. After graduation, a student will be qualified for entry-level employment in any aspect of the electrical/electronic career field that involves the development, design, estimation, manufacture, test, installation, repair and maintenance of electrical and electronic equipment and systems.

Electrical/Electronics Technology Programs (continued)



Electrical/Electronics Technology Programs (continued)

Certificate Programs

Electronics Technology Certificate (0018)

EET	101	Intro to Electricity & Electronics	5
EET	121	Electronic Devices and Circuits	3
EET	131	Electrical Wiring Principles	3
EET	200	Digital Electronic Circuits	3
EET			

Electrical/Electronics Technology Programs (continued)

Industrial Electricity Electives		Semester Credits	
EET	102	Electrical/Electronics Computer Applications	2
EET	201	Wind & Solar Power Installation and Maintenance	2
EET	205	Digital Electronic Circuits II	4
EET	210	Introduction to Microprocessors	4
EET	225	Microprocessor Interfacing	4
EET	231	Introduction to Robotics	4
EET	232	Instrumentation Fundamentals	4
EET	234	Instrumentation Systems	4
EET	238	Special Purpose Devices and Wiring	3
EET	250	Microcomputer Maintenance – Beginning	3
EET	252	Microcomputer Maintenance – Intermediate	3
EET	255	Microcomputer Maintenance – Advanced	3
EET	260	Communication Electronics I	3
EET	290	Supervised Internship I	2-4
EET	291	Supervised Internship II	2-4
EET	292	Supervised Internship III	2-4
EET	293	Supervised Internship IV	2-4
EET	298	Electrical Print Reading	2
EET	299	Special Topics Electricity/Electronics	.5-4

To satisfy general educational requirements, additional elective courses are made available to complete the Associate in Applied Science degree program. These consist of many courses outside the Electrical/Electronic Technology program that are, in some measure, relative to this field of study and will enhance the training and experiences of the degree holder. Following is a sampling of Approved Electives, but this is by no means a complete list. Acceptance of any Approved Elective not on this list will be made by the dean or program coordinator. Electrical/Electronic Technology courses may also be used in place of Approved Elective courses.

Approved Electives

BUS	Any Business (BUS-prefix) course	
CIS	Any Computer Information Systems (CIS-prefix) course (recommended)	
CAD	Any Computer Aided Drafting (CAD-prefix) course	
PHYS	151	College Physics I
PHYS	152	College Physics II
POLS	150	Intro to American Government
NETW	101	Introduction to Networking
IDP	276	Industrial Hy

Certificate Programs

Industrial Electricity Certificate (0054)

EET	101	Intro to Electricity & Electronics	5
EET	121	Electronic Devices and Circuits	3
EET	131	Electrical Wiring Principles	3
EET	200	Digital Electronics Circuits I	3
EET	240	Motors and Drives	3
EET	242	Electrical Control Systems I	4
EET	244	Electrical Control Systems II	3
EET	246	Power Generation/Distribution	3
EET	235	Programmable Logic Controllers	3
GT	104	Math for Electricity and Electronics OR	
MATH	112	College Algebra	4
Total Credits			34

Electrical Technology Certificate (053J)

EET	101	Intro to Electricity & Electronics	5
EET	121	Electronic Devices and Circuits	3
EET	131	Electrical Wiring Principles	3
EET	200	Digital Electronic Circuits	3
GT	104	Math for Electronics OR	
MATH	112	College Algebra	4
EET	238	Special Purpose Electrical Devices & Wiring	3
EET	241	Electrical Power, Motors and Controls	3
EET	243	NEC for Industrial/Commercial	3
Total Credits			27

Emergency Medical Technician

swic.edu/emt

Coordinator: Curt Schmittling, ext. 5343

Coordinators' Assistant: Candice Rodgers, ext. 5355

Fire Science

Spring Semester		Semester Credits
SPCH	151	Fundamentals of Public Speaking 3
FS	116	Building Construction for Fire Protection 3
FS	131	Fire P

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the *C* *D* *G* (yellow section) in this catalog.

Fire Science (continued)

Career Opportunities

An AAS graduate of the Fire Science program is prepared to work as a:

-

Graphic Communications

swic.edu/graphic-communications

For more computer classes, see:
 Computer Information Systems
 Cybersecurity and Networking
Office Administration and Technology
 Web Technologies

Coordinator/Faculty: Nikki Hensley, ext. 5382
 Faculty: Beth Burns

Dean: Janet Fontenot

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Second Year		Semester Credits
Fall Semester		
CIS 176	Web Fundamentals II	3
CIS 230	Video Graphics	3
CIS 272	Photo Manipulation II	3
	Graphic Communications Elective	3
	Human Relations Elective	3
	Human Well-Being Elective	2
Total Semester Credits		17

Apply for Graduation Now

Second Year		Semester Credits
Spring Semester		
CIS 259	Current Web/Graphic Technology	3
CIS 273	Advanced Graphics & Animation	3
CIS 296	Web & Graphics Internship	3
	Graphic Communications Elective	3
	Humanities OR Social Science Elective	3
	Human Well-Being Elective	1-3
Total Semester Credits		16-18

Total Program Credits 63-65

Graphic Communications Electives		Semester Credits
ART 120	Introduction to Computer Art	3
BUS 280	Intellectual Property Law	3
CIS 210	Web Design & Usability	3
CIS 299	Special Topics	3
MKT 226	eMarketing	3
MKT 227	SEO & Web Analytics for Marketing	3

There may be prerequisites for some courses. Refer to the Course Description Guide beginning on page 246.

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the **C D G** (yellow section) in this catalog.

Associate in Applied Science Degree (0140)

First Year		Semester Credits
Fall Semester		
CIS 125	Operating System Basics	1
CIS 147	Fonts & Types	2
CIS 164	Internet Essentials	3
CIS 168	Graphic Design OR	3
ART 111	Basic Design	
CIS 171	Computer Graphics	3
ENG 101	Rhetoric & Composition I	3
Total Semester Credits		15

First Year		Semester Credits
Spring Semester		
CIS 172	Photo Manipulation	3
CIS 173	Graphics and Animation	3
CIS 174	Web Fundamentals I	3
CIS 257	Electronic Publishing	3
English OR Journalism Elective OR SPCH 151		3
Total Semester Credits		15

Graphic Communications (continued)

Graphics Design (074A)

Students will learn the essentials of graphics design and publishing. Students will learn how to design all types of graphics and prepare them for print or web applications. Key graphics publishing software will be used to design and create a variety of publications.

CIS	147	Fonts & Type	2
CIS	168	Graphic Design OR	3
ART	111	Basic Design	
CIS	171	Computer Graphics	3
CIS	172	Photo Manipulation	3
CIS	174	Web Fundamentals I	3
CIS	257	Electronic Publishing	3
CIS	259	Current Web/Graphic Technology	3
CIS	272	Photo Manipulation II	3
Total Credits			

Health Information Technology

swic.edu/hit

Coordinator/Faculty: Yvonne Hanger, ext. 5385

Faculty: Stacey Hairston

Coordinators' Assistant: Candice Rodgers, ext. 5355

Dean: Julie Muertz

2+2 Articulation Agreements

- Maryville University – BS Healthcare Practice Management

Career Overview

The SWIC Health Information Technology program prepares graduates to work as medical record/health information technicians. Health information technicians have limited direct patient contact. They ensure the quality of medical records/health information by verifying the completeness, accuracy and proper entry of patient information into computer systems.

They use a universal coding system to assign diagnostic and procedural codes to each piece of patient information. They also use software applications to assemble and analyze patient data for the purpose of improving patient care or controlling costs. They ensure the patient's interests in matters of privacy and security, information release and guidelines regarding record access. For further information regarding the field of Health Information Technology, refer to the American Health Information Management Association website at www.hicareers.com and/or www.ahima.org.

About the Program

- Two-year degree, Associate in Applied Science degree
- Selective admission for fall semester start at the Belleville Campus
- Applications are accepted Sept. 1, 2019 to Feb. 1, 2020
- Completion of biology, algebra and keyboarding/typing in high school or college are required to apply
- Online application is available in the eSTORM Student Center

Certification Requirements

Upon successful completion of the HIT curriculum, graduates are awarded an Associate in Applied Science degree in Health Information Technology and are eligible to take the American Health Information Management Association certification examination to become a Registered Health Information Technician. These examinations are offered throughout the year at various sites in the state and country.

Program Accreditation

The SWIC Health Information Technology program is accredited by the Commission on the Accreditation for Health Informatics and Information Management Education. The program's curriculum is guided by the standards developed by the association. The accreditation status means SWIC has met the standards required and helps to assure the public that the curriculum will graduate competent clinicians. It also allows the college's HIT graduates to take the registry examination.

Admission Procedures/

Application Requirements

The admission procedures for the HIT program are in accordance with Illinois law. The law requires that programs not having sufficient space and resources to accommodate all applicants will accept those applicants best qualified, using rank, ability and achievement test scores as guides, with preference given to students residing in the district. Out-of-district students will be considered as in-district status for this application process if their community college has an Interdistrict Cooperative/Career agreement with SWIC. To qualify for the application process, students must submit paperwork from their local community college to SWIC Enrollment Services by the application deadline. Contact the secretary of the Board of Trustees at your community college to get the required paperwork. Students must apply and be formally accepted into the Health Information Technology program before enrolling in HIT-prefixed courses.

There are no waiting lists for admission to any Health Sciences program. If not admitted, interested applicants must re-apply the following year. Refer to the HIT Application Planning Guide for specific application requirements and to enhance your potential for admission to this program. Application Planning Guides are located on the Health Information Technology web page or contact the coordinators' assistant, ext. 5355.

Selection of Applicants for Admission

Selection of qualified applicants for the Health Information Technology program will be based upon a numerical ranking procedure, using ACT/SAT scores or SWIC GPA, high school and/or college grades and the percentage of those general education courses required for graduation completed prior to admission with a grade of B or better. To obtain more information on the entrance requirements for the Health Information Technology program call or visit the Health Science coordinators' assistant at 618-235-2700, ext. 5355 or an academic advisor, call or visit the Belleville Campus, 2500 Carlyle Ave., 618-235-2700, ext. 5206; the Red Bud Campus, 500 W. South Fourth St., 618-282-6682, ext. 8114; or the Sam Wolf Granite City Campus, 4950 Maryville Road, 618-931-0600, ext. 7333.

Applicants will be notified of their status regarding admission as quickly as is possible given the number of applications received. In the event that there are fewer qualified candidates than spaces available, applications will continue to be accepted until the program's maximum capacity has been reached or until the first week of classes during the fall semester. Contact Enrollment Services at 618-235-2700, ext. 5542/5548, to obtain

Medical/Health Requirements

HIT students will be required to show proof of immunizations, tuberculosis test, flu shot, physical examination and health insurance coverage before beginning any PPE/clinical experience course. These requirements do not have to be fulfilled until further explained at the program orientation meeting.

Background Checks and Drug Testing

Criminal background check, random drug test and name search on government registries which prohibit employment in health care professions are required in our health science programs. Program start is contingent upon meeting deadlines for completion of the screening and results which allow the student to participate in the clinical portion of the program. Details and directions for accessing and purchasing online screening for background checks are shared with accepted students. Background checks are conducted for every state in which the student has worked or resided since the age of 18 years. Conviction of offenses in the following areas normally prohibit the student from participation in the clinical portion of the program and will result in program dismissal: assault, sexual offenses, murder, burglary, arson, and robbery. Refer to the Health Care Worker Background Check Act for a complete list of offenses at www.idph.state.il.us/nar/.

To participate in the clinical portion of the program, students with “disqualifying” offense(s) will be asked to produce a waiver from the Illinois Department of Public Health for identified offenses. To request a waiver application from IDPH, students may call 217-785-5133. Not all clinical sites accept the IDPH waiver (i.e., Missouri sites), therefore required clinical sites are also surveyed to determine if clinical placement can be accomplished. If a waiver cannot be produced prior to clinicals/

Health Information Technology (continued)

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Heating, Ventilation, Air Conditioning and Refrigeration

swic.edu/hvar

Coordinator/Faculty: Keith Otten, ext. 5175
email: keith.otten@swic.edu

Faculty: John Burnett, ext. 7167
email: john.burnett@swic.edu

Dean: Bradley Sparks

The SWIC Heating, Ventilation, Air Conditioning and Refrigeration program prepares students for careers in the HVAR industry. The industry is changing and trained personnel are in great demand.

Students may earn an Associate in Applied Science degree in HVAR or an HVAR Certificate. In addition to the AAS degree that can be earned at SWIC, students may continue their education at Ferris State University and earn an engineering degree in HVAR.

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Summer Semester		Semester Credits
HVAR	256 Advanced Elect. Controls & Systems*	4
HVAR	203 High Efficiency Heating Systems* OR	2
HVAR	280 Commercial Cooking Equipment I	
Total Semester Credits		6

Second Year		Semester Credits
Fall Semester		Semester Credits
HVAR	202 Commercial Refrigeration I	4
HVAR	208 Intro to HVAR Computer Applications	1.5
HVAR	211 Distribution Panels & Elect. Building Wiring	3
ENG	103 Technical Communication OR Communications Course	3
HES	151 Personal Health and Wellness OR	2
HES	152 First Aid-Medical Self-Help	
Humanities AND/OR Social Science course		3
Total Semester Credits		16.5

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Spring Semester		Semester Credits
HVAR	251 Commercial Refrigeration II	4
HVAR	252 Air Conditioning and Htg Sys. Design	4
HVAR	253 Licensing & Certification Prep**	3
HVAR	258 Natl Electrical Code Interpretation	3
HVAR	260 Refrigerant Transition/Recovery Cert	.5
HVAR	262 Air Delivery Systems Materials & Methods	1
Total Semester Credits		15.5

Total Program Credits 72

*HVAR 256 and HVAR 203 are only offered as summer courses.

**HVAR 253 is only offered in the spring semester.

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the C D G (yellow section) in this catalog.

Associate in Applied Science Degree (0037)

First Year

Fall Semester		Semester Credits
ENG	101 Rhetoric & Composition I	3
HVAR	100 Fitting, Fusion and Fabrication	4
HVAR	101 Refrigeration & Air Conditioning Principles I	4
HVAR	103 Basic Electrical Controls & Systems	4
Human Relations Course		3
Total Semester Credits		18

Spring Semester

Spring Semester		Semester Credits
GT	105 Introduction to Technical Math OR	4
MATH	112 College Algebra OR higher level Math	
HVAR	152 Advanced Refrigeration & A.C. Principles	4
HVAR	153 Heating Fundamentals	4
HVAR	201 Psychrometrics & Load Calculations	4
Total Semester Credits		16

Heating, Ventilation, Air Conditioning and Refrigeration (continued)

HVAR Certificate (0038)

HVAR 100	Fitting, Fusion and Fabrication	4
HVAR 101	Refrig & A.C. Principles I	4
HVAR 103	Basic Elect. Controls and Systems	4
HVAR 152	Advanced Refrig. & A.C. Principles	4
HVAR 153	Heating Fundamentals	4
HVAR 201	Psychrometrics & Load Calculations	4
HVAR 202	Commercial Refrigeration I	4
HVAR 203	High Efficiency Heating Systems* OR	2
HVAR 280	Commercial Cooking Equipment I	
HVAR 251	Commercial Refrigeration II	4
HVAR 252	Air Conditioning & Heating Sys. Design	4
HVAR 256	Advanced Electrical Controls*	4
HVAR 258	Natl Electrical Code Interpretation	3
HVAR 260	Refrigerant Transition/Recovery Cert	.5
Total Credits		45.5

*HVAR 256 and HVAR 203 are only offered as summer courses.

Students wishing to transfer to Ferris State University must take PHYS 151 and MATH 112.

All students must complete graduation degree requirements listed in the front of the blue pages of this catalog for an Associate in Applied Science degree. Students in the degree program must satisfy the Illinois-mandated constitution requirement for the AAS degree.

There may be prerequisites for some courses. Refer to the Course Description Guide beginning on page 246.

Career Opportunities

A graduate of the Heating, Ventilation, Air Conditioning and Refrigeration program is prepared to work as a(n):

- Heating equipment technician
- Air conditioning and refrigeration technician
- HVAR equipment salesperson
- HVAC designer
- Commercial cook equipment repair person

All of the above careers could specialize in:

- Commercial applications
- Residential applications
- Design applications

Horticulture

Horticulture (continued)

Fruits and Vegetables

HORT 112	Media & Fertility	6
HORT 175	Home Gardening	3
HORT 242	Fruit Production	2
HORT 262	Small Fruit Production	2
HORT		

Human Services Technology

Important Information

Industrial Maintenance Mechanics

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Spring Semester		Semester Credits
GT	104 Math for Electronics OR	
MATH	112 College Algebra	4
HES	151 Personal Health and Wellness	2
ENG	101 Rhetoric & Composition I	3
	Communications Course	3
	Social Science Course	3
	Human Relations Course	3
	Total Semester Credits	18

Total Program Credits 69.5

Certificate Programs

Industrial Maintenance Mechanics Certificate (054D)
Semester Credits

IDP 116

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the *C* *D* *G* (yellow section) in this catalog.

Management

Second Year			
Fall Semester			Semester Credits
BUS	241	Fundamentals of Finance OR	
MGMT	213	Human Relations in the Workplace	3
MGMT	241	Fundamentals of Finance	3
OAT	261	Business Communications	3
PSYC	151	General Psychology	3
		Human Relations Elective	3
		Human Well Being Elective	2
Total Semester Credits			17

Apply for Graduation Now

Spring Semester			Semester Credits
BUS	209	Business Computer Systems	3
BUS	215	Business Law I	3
MGMT	217	Human Resource Management	3
MGMT	240	Ethics in the Workplace	1
MGMT	270	Business Planning	3
MKT	226	eMarketing	3
Total Semester Credits			16
Total Program Credits			65

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the *C* *D* *G* (yellow section) in this catalog.

Accelerated Degree Option

Anyone who has completed an associate or bachelor's degree from a regionally accredited college may earn an Associate in Applied Science degree in Management by completing at least 27 semester credits of program-related coursework. A plan of specific courses required for the degree must be approved by the college. For more information, contact the college at (618) 657-0600 or visit www.swillinois.edu.

Management (continued)

Management (049C)

The Management certificate allows students outside of the business area to gain recognition for completing a core course of study in management. The certificate will benefit students in two-year, nonbusiness programs as well as four-year students who wish to obtain a background in management.

BUS	102	Business Mathematics	OR	
MGMT	102	Business Mathematics		3
BUS	209	Business Computer Systems		3
MGMT	213	Human Relations in the Workplace		3
MGMT	214	Principles of Management		3
MGMT	217	Human Resource Management		3
MGMT	219	Small Business Management		3
MGMT	240	Ethics in the Workplace		1
MKT	126	Introduction to Marketing		3
Total Credits				22

Course availability varies fr

Marketing

swic.edu/marketing

Coordinator/Faculty: Tom Bilyeu, ext. 5485

Dean: Janet Fontenot

This program provides the academic background to begin a career in marketing. The Marketing Associate in Applied Science degree program prepares students for consumer and business product sales, retail sales management, merchandising and customer service careers. There is an emphasis on small business and on marketing in the online environment. Students with experience

Marketing (continued)

Certificate Programs

Marketing (031E)

The Marketing certificate provides an opportunity for students to gain recognition for completing a core course of study in marketing. The certificate will benefit students in two-year, nonbusiness programs as well as four-year students who wish to enhance their skillset with marketing coursework.

MGMT	240	Ethics in the Workplace	1
MKT	126	Introduction to Marketing	3
MKT	226	eMarketing*	3
MKT	227	SEO & Web Analytics for Marketing*	3
MKT	228	Social Media Tools*	3
MKT	229	Marketing Plans*	3
MKT	242	Marketing Communications	3
Total Credits			

Massage Therapy

swic.edu/massage-therapy

Coordinator: Tammy Bivin, 618-239-6400

Program Location:
The Body Therapy Center & School of Massage
4 Executive Woods Court
Swansea, IL 62226

**Associate in Applied Science Degree (027B)*
and Certificate (027A)**

Massage Therapy

Medical Assistant

swic.edu/medical-assistant

Coordinator/Faculty: Dana Woods, ext. 5332

Coordinators' Assistant: Candice Rodgers, ext. 5355

Dean: Julie Muertz

2+2 Articulation Agreements

- Maryville University – BS Healthcare Practice Management

Career Overview

Health Insurance

Health insurance is recommended during clinical education courses. Students are personally responsible for any costs incurred for injuries occurring during their clinical experience.

Medical/Health Requirements

MA students will be required to possess current CPR certification at the Health Care Provider level and show proof of immunizations, tuberculosis test and physical examination before beginning any clinical practicum. These requirements do not have to be fulfilled until further explained at the program orientation meeting.

Background Checks and Drug Testing

Medical Assistant (continued)

Medical Billing & Coding

swic.edu/medical-billing-coding

Coordinator/Faculty: Yvonne Hanger, ext. 5385

Faculty: Stacey Hairston

Coordinators' Assistant: Candice Rodgers, ext. 5355

Dean: Julie Muertz

2+2 Articulation Agreements

- Maryville University – BS Healthcare Practice Management

Overview

The Medical Billing & Coding program prepares graduates to submit claims to third parties in order to receive payment for services provided to a patient by a medical doctor or other licensed health care provider. Medical billers and coders have a low level of patient contact. To submit claims, the correct code must be utilized to identify to the third party the reason why a patient was seen and what services were performed so that the provider can get paid. Physicians depend on well-trained, reliable medical coding and billing staff for accurate insurance reimbursement of their services, or they might be charged large penalties due to improper coding. For further information regarding the field of medical billing and coding, refer to the American Academy of Professional Coders website at

Medical Billing & Coding (continued)

hospital/clinical facilities throughout southern Illinois and in the St. Louis region. Students may be required to travel outside the college district for externship and practicum courses. Specific clinical placement cannot be guaranteed. Whether students are attending full time or part time, all students must be available 30-40 hours per week to complete the externship/practicum portion of the program which is a total of 220 hours of externship/practicum.

Orientation & Performance

Students who are accepted to enroll into this program must attend all required orientation sessions and be able to perform the essential functions of the job with or without reasonable accommodations. The essential functions can be found at swic.edu/billing-coding-performance-essentials.

Applicants or enrolled students are encouraged to contact the Disability & Access Center at 618-235-2700, ext. 5368, to discuss potential issues associated with meeting these requirements.

Background Checks and Drug Testing

Criminal background check, random drug test and name search on government registries which prohibit employment in health care professions are required in our health science programs. Program start is contingent upon meeting deadlines for completion of the screening and results which allow the student to participate in the clinical portion of the program. Details and directions for accessing and purchasing online screening for background checks are shared with accepted students. Background checks are conducted for every state in which the student has worked or resided since the age of 18 years. Conviction of offenses in the following areas normally prohibit the student from participation in the clinical portion of the program and will result in program dismissal: assault, sexual offenses, murder, burglary, arson, and robbery. Refer to the Health Care Worker Background Check Act for a complete list of offenses at www.idph.state.il.us/nar/.

To participate in the clinical portion of the program, students with “disqualifying” offense(s) will be asked to produce a waiver from the Illinois Department of Public Health for identified offenses. To request a waiver application from IDPH, students may call 217-785-5133. Not all clinical sites accept the IDPH waiver (ie. Missouri sites), therefore required clinical sites are also surveyed to determine if clinical placement can be accomplished. If a waiver cannot be produced prior to clinicals/program start or survey results indicate clinical sites prohibit the conviction, the student will be removed from the program.

In addition, positive results from the drug test or student listing on prohibitory government registry will also result in dismissal from the program. Note: Positive drug testing results from the use of illegal drugs or prescription medication which the student does not have a prescription. Medical marijuana, which is not FDA approved, is also considered a positive drug testing result.

Dismissal for positive criminal background check, drug test, or listing on a government registry does not qualify students for refund of tuition or lab fees. Students who have concerns regarding their status with the above regulations are encouraged to discuss the matter with the program coordinator or the coordinator's assistant prior to seeking admission.

Graduation Requirements

Students who are admitted to this program must follow the requirements for graduation at the time they are admitted and must meet all course, program and sequencing requirements specified. Students are responsible for program policies as listed in each year's Medical Billing & Coding Student Handbook. Students who fail to meet program-specific requirements will be dropped from the program. A grade of C or better is required for

Medical Billing & Coding (continued)

Second Year

Fall Semester			Semester Credits
PSYC	151	General Psychology	3
HIT	200	Health Care Delivery	4
HIT	210	Health Care Statistics	3
HIT	220	Classification Systems I	4
MA	192	Administrative Internship	2
MA	143	MA Automation II	2
Total Semester Credits			18

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Spring Semester			Semester Credits
HIT	250	Legal Aspects of HI	2
HIT			

Medical Laboratory Technology (continued)

In the event that there are more qualified applicants than spaces available in this program, those applicants residing outside District No. 522 or in a district that does not have a joint agreement with SWIC for this program, will not be eligible for consideration or admission if there are more applicants than positions to be filled. Resident status is determined by address on file with Enrollment Services by Feb. 1, 2020.

Program Capacity

The Medical Laboratory Technology program generally accepts 14 students each fall semester.

Program Location

The Medical Laboratory Technology program consists of general education courses, MLT-prefix courses and assigned clinical practice courses. Specific locations depend on the course type.

1. The general education courses can be taken at the Belleville, Red Bud or Sam Wolf Granite City campuses and can be completed prior to admission, but this is generally not indicated. Discuss with an academic advisor or the MLT program coordinator.
2. The MLT courses are only offered at the Belleville Campus during the day of the semesters indicated on the degree outline after acceptance into program.
3. Clinical practice courses are completed at hospitals/clinical facilities throughout southern Illinois and in the St. Louis region. Students may be required to travel outside the college district for clinical experience courses.

Applicants should check location and schedule of classes to ensure availability and access. Students are responsible for their own transportation and attendance at any of the classes and clinicals assigned by the program.

Orientation & Performance

Applicants accepted into this program must attend all required orientation sessions and be able to perform the essential functions of the job with or without reasonable accommodations. The essential functions can be found at

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Course Sequence

Music Technology

Apply for Graduation Now

Spring Semester		Semester Credits
SPCH	151 Fundamentals of Public Speaking	3
MUS	214 Class Instruction in Piano IV OR Private Applied Music*	2
MGMT	219 Small Business Mgmt	3
MUS	255 Music Technology Practicum**	3
	Human Relations Elective	3
	Total Semester Credits	14
Total Program Credits		64

*Students enrolling in Private Applied Music courses included in the Associate in Applied Science degree requirements would select the 100-level course numbers. However, if students wish to obtain permission to enroll in the 200-level applied courses, they would follow the same procedure as a student pursuing the AFA degree, i.e. audition and department signature. Students who choose to enroll in 100-level applied courses in lieu of Class Instruction Piano III and IV will be required to enroll in an additional class to make up the difference in semester credits. It is suggested that students enroll in a performing ensemble such as band or choir, or take another class that is applicable to the music technology field, such as voiceover or film classes.

**Students may elect to enroll in the Music Technology Practicum for up to six semester credits over the course of two semesters. Students must complete a minimum of 21 semester credits of Music courses as suggested in the sequence and have an interview with the coordinator to enroll in the practicum.

***Students may also meet this requirement by taking two one-semester-credit classes.

Recording Technology Certificate (0097)

Students who are interested in recording technology coursework may receive the Recording Technology Certificate after completion of the following courses. The MUS 104 or a sufficient score on the Theory Assessment is still a requisite for MUS 250, and all other requisites apply.

MUS	145 Recording Studio Orientation	3
MUS		

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the C D G (yellow section) in this catalog.

Nurse Assistant

swic.edu/nurse-assistant

Coordinators: Stephanie Reid, ext. 5906

Coordinators' Assistant: Candice Rodgers, ext. 5355

Dean: Julie Muertz

This is one-semester certificate course, HRO 105 Nurse Assistant, prepares students to perform simple and basic functions under the supervision of a nurse and to apply for the certified nurse assistant competency test. The program's purpose is to provide the health care community with knowledgeable, skilled nurse assistants who recognize that the patient/resident/client is a unique individual with needs and rights deserving of holistic care.

Enrollment Requirements:

Students need to complete the SWIC Placement Test to assess reading, writing and math skills. To enroll in HRO 105, student's score must make them eligible for ENG 92 or greater. To obtain more information about the SWIC Placement Test, call or visit the Testing Center at the Belleville Campus, 618-235-2700, ext. 5182; the Red Bud Campus, 618-282-6682, ext. 8114; or Sam Wolf Granite City Campus, 618-931-0600, ext. 7337.

Students enrolling in the seven-semester-credit HRO 105 Nurse Assistant course should be aware that criminal background check (fingerprints) and random drug testing are required.

The criminal background check application form is completed during the mandatory orientation at the Belleville Campus prior to class start. See your course schedule for date and time. Fingerprints must be scheduled and completed prior to the first day of class. Due to clinical requirement, conviction of offenses in the following areas results in course dismissal: assault, sexual offenses, murder, burglary, arson, and robbery. Refer to the Health Care Worker Background Check Act for a complete list of disqualifying offenses at <http://dph.illinois.gov/topics-services/health-care-regulation/health-care-worker-registry>

To complete the course, students with "disqualifying" offense(s) will be asked to produce a waiver from the Illinois Department of Public Health. Waiver application forms along with instructions are located at <http://dph.illinois.gov/topics-services/health-care-regulation/health-care-worker-registry>. If a waiver cannot be produced prior to clinical start, the student will be withdrawn from the course. In addition, positive drug testing results will also result in course dismissal. NOTE: Positive drug testing results include use of illegal drugs or prescription medications which the student does not have a prescription. Medical Marijuana, which is not FDA approved, is also considered a positive drug testing result.

Dismissal for positive criminal background check or drug test does not qualify students for refund of tuition or lab fees. Students who have concerns regarding their status with the above regulations are encouraged to discuss the matter with the program coordinator or the coordinator's assistant prior to enrolling in the class.

A physical exam and immunizations are also required. Essential functions of the student nurse assistant are listed in the NA Handbook and at swic.edu/student-nurse-functions. Students must be able to perform the essential functions with or without reasonable accommodations. Students are encouraged to contact the Disability & Access Center to discuss potential issues associated with meeting these requirements at 618-235-2700, ext. 5386. Students enrolling in all Health Sciences programs should be aware that some clinical facilities may require auto and/or health insurance. Malpractice insurance, when required, is provided by the college through assessment of lab fees. Some clinical sites may require drug testing. This information will be provided in the first class. Students must meet any requirements of the clinical sites or may be dropped from the program.

Nurse Assistant (025A) – Attendance Policy

Students enrolled in the HRO 105 Nurse Assistant course are subject to all of the provisions of the existing college catalog and IDPH program requirements with respect to attendance during the period of their enrollment. Attendance to orientation and all

Nursing Education

swic.edu/nursing

Director: ext. 5263

Faculty: Liz Alvarez, Kim Keel, Lyn Martin, Jane Ohi, Beth
5DIWRSRØRV&WKL D:LAOG

Coordinators' Assistant: Candice Rodgers, ext. 5355

Dean: Julie Muertz

Graduates who successfully pass the NCLEX-RN may also opt to continue their education at institutions which offer RN-Bachelor of Science in Nursing and RN-Master of Science in Nursing programs. Information on RN-BSN articulation/dual enrollment is available in the Nursing Education office.

Dual Admission

Dual admission with McKendree allows students to transfer seamlessly from the Nursing Education program to the RN-BSN program at McKendree. Information will be presented at orientation.

2+2 Articulation

- Chamberlain College of Nursing – BS Nursing
- McKendree University – BS Nursing
- Park University – BS Nursing

Career Overview

The SWIC Nursing Education program prepares students with the basic skills necessary to become a registered nurse. RNs provide for the physical, mental and emotional needs of their patients. Nurses must have good knowledge of the principles and practices of nursing, interpersonal skills, oral and written communication skills, ability to relate to different cultural and economic backgrounds and organizational skills. They must also be able to set priorities and manage a caseload.

Nursing encompasses a variety of specialties: case manager, emergency/trauma, home health/hospice, infection control/employee health, labor and delivery, medical/surgical, neonatal, pediatric, psychiatric, telemetry, transplant, etc. The job duties vary based on the working environment and the role of the nurse in that setting. For further information regarding the field of nursing, contact the National League for Nursing at www.nln.org/careers/resources.htm.

In accordance with the Illinois Nursing and Advanced Practice Nursing Act, 2007, the purpose of the Nursing Education curriculum at SWIC is to prepare students to:

1. Apply for the NCLEX-RN exam after successful completion of the program and to apply for licensure as registered professional nurses after successfully completing the NCLEX-RN.
2. Practice entry-level professional nursing only under the direct supervision of the registered professional nurse until item No. 1 has been accomplished.
3. Practice professional nursing at a beginning staff level after successfully completing the NCLEX-RN and receiving licensure as a registered professional nurse.

Contact an academic advisor to assist with career exploration.

About the Program

- Two-year Associate in Applied Science degree
- Selective admission to enroll in NE courses
- Applications are accepted Sept. 1 to Dec. 1, 2019
- Completion of biology, chemistry and algebra in high school or college is required to apply
- Supporting documentation deadline is Feb. 1, 2020
- Advanced placement for Licensed Practical Nurses is available
- Online application located in your eSTORM Student Center

Licensure Requirements

Upon successful completion of the 68.5-semester-credit Nursing Education program with a C or better in all courses, graduates are awarded an Associate in Applied Science degree in Nursing Education and are eligible to take the computer adaptive NCLEX-RN exam. To practice as a registered nurse, graduates must pass the NCLEX-RN examination.

Program Accreditation

The SWIC Nursing Education program is a member of the National League for Nursing Council of Associate Degree Nursing Programs, and approved by the Illinois Department of Financial and Professional Regulation, located at 100 W. Randolph, Suite 9-300, Chicago, IL 60601, 312-814-4500; and accredited by the Accreditation Commission for Education in Nursing located at 3303 Peachtree Road NE, Suite 850, Atlanta, GA 30326.

Admission Procedures/ Application Requirements

The admission procedures for the NE program are in accordance with Illinois law. The law requires programs not having sufficient space and resources to accommodate all applicants will accept those applicants best qualified, using rank, ability and achievement test scores as guides, with preference given to students residing in the district. Out-of-district students will be considered as in-district status for this application process if their community college has an Interdistrict Cooperative/Career agreement with SWIC (listed on page 58 of this catalog). To qualify for the application process, students must submit paperwork from their local community college to SWIC Enrollment Services by the application deadline. Contact the secretary of the Board of Trustees at your community college to get the required paperwork. Students must apply and be formally accepted into the Nursing Education program before enrolling in NE-prefix courses. There are no waiting lists for admission to any Health Sciences program. If not admitted, interested applicants must re-apply the following year. Refer to the Nursing Education or Advanced Standing Nursing Application Planning Guides for specific application requirements to enhance your potential for admission into this highly competitive application process. Application Planning Guides are located on the Nurse Education webpage or contact the coordinators' assistant, ext. 5355.

Nursing Education (continued)

Selection of Applicants for Admission

Selection of qualified applicants will be based upon a numerical ranking procedure, using admission test scores, high school and/or college grades and the percentage of those general education courses required for graduation completed prior to admission with a grade of B or better. Applicants should be aware that general education courses completed in the spring preceding potential summer entry will not be calculated in the numerical ranking unless there are fewer applicants than seats available. To obtain more information on the program, call or visit the Health Sciences coordinators' assistant at 618-235-2700,

Nursing Education (continued)

Orientation & Performance

Applicants accepted into this program must attend the required orientation session, held in March/April, meet program-specific medical requirements, be able to perform the essential functions of the job as listed in the Student Handbook or at swic.edu/student-nurse-functions with reasonable accommodation if needed, and submit results of background

Nursing Education (continued)

Course Sequence

The program can be completed in four semesters and one summer; however, it is recommended that students who wish to maximize points on the application complete General Education Courses (HRO 100/160, HRO 150, BIOL 157 & 158, SOC 153, ENG 101 & 102, PSYC 151, and HRO 120, refer to swic.edu/academics/career-degrees/health-sciences/nursing-education/general-education/) prior to entrance into the program and in progression following the appropriate course requisites. For information on course requisites, please refer to the **C D G** (yellow section) in this catalog. All NE-pre x courses must be completed during the listed semesters.

Spring Semester
NE 210

Semester Credits

Associate in Applied Science Degree (0025)

First Year

Summer Semester	Semester Credits
HRO 100 Medical Terminology**/**	1
HRO 120 Pharmacology***	3
Total Semester Credits	4

First Year

Fall Semester	Semester Credits
BIOL 157 Human Anatomy and Physiology I	5
HRO 150 Fundamentals of Nutrition**	2
NE 102 Introduction to Nursing Procedures**/**	2
NE 103 Introduction to Nursing**	4.5
NE 104 Health Continuum I**	2
Total Semester Credits	15.5

Spring Semester

Spring Semester	Semester Credits
BIOL 158 Human Anatomy and Physiology II	5
ENG 101 Rhetoric & Composition I	3
NE 105 Health Continuum II	2
NE 106 Health Continuum III	4
NE 108 Interference with Basic Human Needs I**	4
Total Semester Credits	18

Second Year

Fall Semester	Semester Credits
ENG 102 Rhetoric and Composition II	3
PSYC 151 General Psychology	3
NE 207 Interference with Basic Human Needs II	5.5
NE 209 Interference with Basic Human Needs III	5.5
Total Semester Credits	17

Apply for Graduation Now

Office Administration and Technology

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required

Office Administration and Technology (continued)

Career Opportunities

A graduate of the Office Administration program (032A) is prepared to work as a(n):

- Administrative assistant
- Office assistant
- Word/information processor
- Secretary

Accelerated Degree Option

Anyone who has completed an associate or higher degree from a regionally accredited college may earn an Associate in Applied Science degree in Office Administration and Technology by completing at least 27 semester credits of program-related coursework. A plan of specific courses required for the degree must be obtained from the program coordinator and approved by the dean of the Business Division and the vice president for Instruction. Only those courses completed at SWIC, and not included as part of the requirements for a previously earned degree or certificate, can be considered for this option. Students must meet all institutional requirements for the Associate in Applied Science degree.

Office Technology Specialist Associate in Applied Science Degree (0069)

First Year		Semester Credits
Fall Semester		
OAT 121	Introduction to Office Support	3
OAT 171	Document Processing/Input Technology	3
OAT 180	Word Processing	3
BUS 101	Introduction to Business	3
ENG 101	Rhetoric & Composition I	3
PSYC 151	General Psychology	3
Total Semester Credits		18

Spring Semester		Semester Credits
OAT 172	Advanced Information Processing	3
SPCH 151	Fundamentals of Public Speaking	3
Human Well-Being Elective		2
OAT 165	Presentation Graphics	2
OAT 175	Electronic Spreadsheets	3
Human Relations Elective		3
Total Semester Credits		16

Second Year		Semester Credits
Fall Semester		
OAT 185	Database Applications	3
OAT 261	Business Communications	3
OAT 256	Office Management	3
OAT 169	Automated Application/Transcription	3
OAT 276	Current Technology for Office Support	3
OAT 225	Advanced Word Processing	3
Total Semester Credits		18

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Spring Semester		Semester Credits
OAT 260	Administrative Office Procedures	3
OAT 293	Office Admin. & Technology Intern	3
OAT 190	Web Design with Microsoft Office	3
OAT 230	Advanced Electronic Spreadsheets	3
CIS 164	Internet Essentials	3
Total Semester Credits		15
Total Program Credits		67

Certificate Programs

Office Technology Assistant I (033A)

This certificate is designed to prepare individuals with little or no prior office experience to perform a variety of tasks, including computer tasks, in a general office environment. This program emphasizes word processing and related office skills for entry-level positions.

		Semester Credits
OAT 121	Introduction to Office Support	3
OAT 171	Document Processing/Input Technology	3
OAT 180	Word Processing	3
OAT 156	Microsoft Office Suite I	3
ENG 101	Rhetoric & Composition I	3
BUS 102	Business Mathematics OR	
MGMT 102	Business Mathematics	3
Total Semester Credits		18

Some courses may have prerequisites. Refer to the Course Description Guide beginning on page 246.

Office Technology Assistant II (0033)

This certificate is a continuation of Office Technology Assistant I. It is designed to give students additional skills. Upon completion of the certificate, a student may continue in one of the OAT degree programs.

Office Technology Assistant certificate plus:		Semester Credits
BUS 101	Introduction to Business	3
OAT 172	Advanced Information Processing	3
OAT 175	Electronic Spreadsheets	3
OAT 261	Business Communications	3
OAT 128	Microsoft Outlook	1
Total Semester Credits		31

Career Opportunities

Office Administration and Technology (continued)

Virtual Assistant (069B)

Office Administration and Technology (continued)

Career Opportunities

A graduate of the Administrative Office Support Certificate program (0065) is prepared to work as a:

- Secretary
-

Paramedic/Paramedicine

swic.edu/paramedic

Coordinator: Curt Schmittling, ext. 5343

Coordinator's Assistant: Candice Rodgers, ext. 5355

Dean: Julie Muertz

2+2 Articulation Agreements

- SIUC – BS Public Safety Management

Career Overview

The SWIC Paramedic program prepares students for varying levels of pre-hospital care in emergency medicine. The most basic level of care is provided by the emergency medical technician. (See Emergency Medical Technician page in the blue section of this catalog). The highest level of support in pre-hospital patient care is provided by the Paramedic, who works under the direct supervision of an emergency room physician via radio/mobile communications. Paramedics receive extensive training in patient assessment and treatment that may include, but is not limited to, administration of medications and advanced life support measures, including conducting and interpreting electrocardiograms, electrical interventions to support cardiac functions, performing advanced airway management techniques and administering appropriate intravenous fluids. Paramedics typically work on an ambulance, but some work in hospital emergency departments with limited responsibilities.

Paramedics must have excellent judgement and be able to prioritize decisions and act quickly in the best interest of the patient while following the physician's directives. They need strong communication skills – spoken and written – and the ability to function independently in a non-structured environment that is constantly changing. They must possess good physical stamina, endurance and body condition that would not be adversely affected by frequently having to walk, stand, crawl,

Paramedic/Paramedicine (continued)

**Admission Procedures/Application
Requirements for the Paramedic Certificate**

Dismissal for positive criminal background check, drug test, or listing on a government registry does not qualify students for refund of tuition or lab fees. Students who have concerns regarding their status with the above regulations are encouraged to discuss the matter with the program coordinator or the coordinator's assistant prior to seeking admission.

Graduation Requirements

Applicants admitted to the program must follow the requirements for graduation at the time they are admitted and must meet all course, program, degree and sequencing requirements specified. Students are responsible for program policies as listed in the program handbook. Students who fail to meet program-specific requirements will be dropped from the program and may be required to re-apply and compete for admission in the succeeding semester.

Course Sequence

The Paramedic Certificate program can be completed in 15 months/four semesters. Students frequently complete the certificate prior to the general education courses in the degree; however, that is not a requirement. Current Illinois EMT licensure is a requisite to the program. This can be accomplished by completing the EMS 110 course and passing the licensure exam. See Course Description Guide (yellow pages of catalog) for other course requirements.

Paramedic Certificate (068B)

BIOL	105	Human Biology	4
EMS	205	Paramedicine I	8.5
EMS	206	Paramedicine II	4.5
EMS	207	Paramedicine III	4
EMS	208	Paramedicine IV	5
EMS	210	Paramedic Clinical Practice I	2
EMS	211	Paramedic Clinical Practice II	1
EMS	212	Paramedic Clinical Practice III	1.5
EMS	213	Paramedic Clinical Practice IV	1.5
EMS	220	Paramedic Field Internship I	1
EMS	221	Paramedic Field Internship II	.5
EMS	222	Paramedic Field Internship III	.5
EMS	223	Paramedic Field Internship IV	1
EMS	224	Paramedic Field Internship V	2
FS	280	Hazardous Materials – Awareness	.5
FS	160	Tech Rescue Awareness	.5
Total Credits			38

All Paramedic Core Courses must be completed before or during semesters indicated below, unless permission is given by the program coordinator.

Paramedic/Paramedicine (continued)

Paramedicine Associate in Applied Science Degree (0068)

First Year

Summer Semester		Semester Credits
BIOL	105 Human Biology	4
HRO	100 Medical Terminology	1
Total Semester Credits		5

Fall Semester		Semester Credits
EMS	205 Paramedicine I	8.5
EMS	210 Paramedic Clinical Practice I	2
EMS	220 Paramedic Field Internship I	1
FS	160 Technical Rescue Awareness	.5
FS	280 Hazardous Materials Awareness	.5
HRO	120 Pharamacology	3
Total Semester Credits		15.5

Spring Semester		Semester Credits
EMS	206 Paramedicine II	4.5
EMS	211 Paramedic Clinical Practice II	1
EMS	221 Paramedic Field Internship II	.5
EMS	207 Paramedicine III	4
EMS	212 Paramedic Clinical Practice III	1.5
EMS	222 Paramedic Field Internship III	.5
Approved Electives		3
Total Semester Credits		15

Second Year

Summer Semester		Semester Credits
EMS	208 Paramedicine IV	5
EMS	213 Paramedic Clinical Practice IV	1.5
EMS	223 Paramedic Field Internship IV	1
Total Semester Credits		7.5

Fall Semester		Semester Credits
EMS	224 Paramedic Field Internship V	2
ENG	101 Rhetoric & Composition I	3
PSYC	151 General Psychology	3
SPCH	151 Fundamentals of Public Speaking OR	
SPCH	155 Interpersonal Communication	3
Human Relations Elective		3
Total Semester Credits		14

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Second Year		Semester Credits
Spring Semester		
PSYC	210 Life-Span Development OR Life-Span Dev	

Average Starting Salary

Earnings of EMTs and paramedics depend on the employment setting and geographic location as well as the individual's training and experience. Based on a survey of our graduates, the average annual earnings of EMTs and paramedics are between \$30,000 and \$50,000 annually.

Critical Care Transport Certificate (068D)*

Physical Therapist Assistant

swic.edu/pta

Coordinator/Faculty: Kim Snyder, ext. 5390

Faculty: Michelle Kujawa

Coordinators' Assistant: Candice Rodgers, ext. 5355

Dean: Julie Muertz

2+2 Articulation Agreements

- Maryville University – BS Healthcare Practice Management

Career Overview

The SWIC Physical Therapist Assistant program prepares students to work as skilled health care providers, who under the supervision and direction of a physical therapist, treat patients of all ages with medical problems, or other health-related conditions that limit their ability to move and perform functional activities in their daily lives. Physical therapist assistants have a high level of patient contact. Duties include: monitoring and reporting patient status, providing selected interventions, modifying care within a therapist's plan, documenting, working with other health care professionals, and supervising physical therapy aides or technicians, where applicable. PTAs are frequently involved in educating the patient, caregiver, family and community in the management of health care problems and preventative measures. For further information regarding the field of physical therapy, refer to the American Physical Therapy Association website at www.apta.org.

About the Program

- Two-year Associate in Applied Science degree
- Selective admission for fall semester start
- Recommend the following coursework in high school to prepare for health science occupation: Four years of English, algebra and geometry, biology, and social science courses. Keyboarding and computer application courses, chemistry, and anatomy & physiology
- Applications are accepted Sept. 1, 2019 to Feb. 1, 2020
- Online application available in your eSTORM Student Center

Licensure Requirements

Upon successful completion of the PTA curriculum, graduates are awarded an Associate in Applied Science degree and are eligible to take the National Physical Therapy Examination for PTAs. PTAs are licensed, certified, or registered in all states. Illinois and Missouri require licensure to work as a physical therapist assistant.

Program Accreditation

The Physical Therapist Assistant program at SWIC is accredited by the Commission on Accreditation in Physical Therapy Education, 1111 N. Fairfax St., Alexandria, VA 22314; phone 703-706-3245, email: accreditation@apta.org, and website: <http://www.captionline.org>. The program's curriculum is guided by the standards developed by the commission. Our accreditation status means SWIC has met the standards required and helps to assure the public that our curriculum will graduate competent clinicians. It also allows the college's PTA graduates to take the licensure examination for any state that requires a license to practice as a physical therapist assistant.

Admission Procedures/ Application Requirements

The admission procedures for the PTA program are in accordance with Illinois law. The law requires that programs not having sufficient space and resources to accommodate all applicants will accept those applicants best qualified, using rank, ability and achievement test scores as guides, with preference given to students residing in the district. Out-of-district students will be considered as in-district status for this application process if their community college has an Interdistrict Cooperative/Career agreement with SWIC (listed on page 58 of this catalog). To qualify for the application process, students must submit paperwork from their local community college to SWIC Enrollment Services by the application deadline. Contact the secretary of the Board of Trustees at your community college to get the required paperwork. There are no waiting lists for admission to any SWIC Health Sciences program. If not admitted, interested applicants must re-apply the following year. Refer to the PTA Application Planning Guide for specific application requirements and to enhance your potential for admission. Application Planning Guides are located on the Physical Therapist Assistant web page or contact the Health Sciences coordinators' assistant, ext. 5355.

Selection of Applicants for Admission

Selection of qualified applicants for the Physical Therapist Assistant program will be based upon a numerical ranking procedure, using ACT scores or SWIC GPA, high school and/or college grades and percentage of those general education courses required for graduation completed prior to admission with a grade of B or better. To obtain more information on the entrance requirements for the Physical Therapist Assistant program, call or visit the Health Sciences coordinators' assistant at 618-235-2700, ext. 5355, or for an academic advisor, call or visit the Belleville Campus, 2500 Carlyle Ave., 618-235-2700, ext. 5206; the Red Bud Campus, 500 W. South Fourth St., 618-282-6682, ext. 8114; or the Sam Wolf Granite City Campus, 4950 Maryville Road, 618-931-0600, ext. 7333.

Physical Therapist Assistant (continued)

Applicants will be notified of their status regarding admission as quickly as possible given the number of applications received, typically late February or early March. In the event that there are fewer qualified candidates than there are spaces available, applications will continue to be accepted until the program's maximum capacity has been reached or until the first week of classes during the fall semester. Contact Enrollment Services at 618-235-2700, ext. 5542/5548, to obtain information of a possible application deadline extension. The college reserves the right to fill the program in those years when there are fewer applicants than spaces available by whatever means it deems necessary to assure both academic integrity and fairness in the selection process.

In the event that there are more qualified applicants than spaces available in this program, those applicants who reside outside District No. 522 or in a district without a joint agreement for this program will not be eligible for consideration or admission. Resident status is determined by address on file with Enrollment Services by Feb. 1, 2019.

Program Capacity

The Physical Therapist Assistant program accepts 20 students each fall semester.

Program Location

The Physical Therapist Assistant program consists of general education courses, PTA-prefixed courses and assigned clinical experience courses. Specific locations depend on the course type.

1. The general education courses can be taken at the Belleville, Red Bud or Sam Wolf Granite City campuses and can be completed prior to admission.
2. The PTA courses are only offered at the Belleville Campus during the day of the semesters indicated on the degree outline after acceptance into program.
3. Clinical experience is located throughout southern Illinois and in the St. Louis region. Specific clinical placement cannot be guaranteed.

Applicants should check location and schedule of classes to ensure availability and access. Students are responsible for their own transportation and attendance at any of the classes and clinicals assigned by the program. See PTA handbook on the program website for class schedules.

Orientation & Performance

Applicants accepted to this program must attend all required orientation sessions and be able to perform the essential functions of the job with or without reasonable accommodations. The essential functions can be found on the program website and in the PTA handbook. Applicants and enrolled students are encouraged to contact the Disability & Access Center at 618-235-2700, ext. 5368, to discuss potential issues associated with meeting these requirements.

Health Insurance

Health insurance is required during clinical education courses. Students are personally responsible for any costs incurred for injuries occurring during their clinical experience.

Medical/Health Requirements

PTA students will be required to show proof of medical examination and all applicable tests, immunizations, and vaccinations. Health insurance coverage is verified before beginning any clinical experience course. These requirements do not have to be fulfilled prior to admission and are further explained upon acceptance into the program.

Background Checks and Drug Testing

Criminal background check, random drug test and name search on government registries which prohibit employment in health care professions are required in our health science programs. Program start is contingent upon meeting deadlines for completion of the screening and results which allow the student to participate in the clinical portion of the program. Details and directions for accessing and purchasing online screening for background checks are shared with accepted students. Background checks are conducted for every state in which the student has worked or resided since the age of 18 years. Conviction of offenses in the following areas normally prohibit the student from participation in the clinical portion of the program and will result in program dismissal: assault, sexual offenses, murder, burglary, arson, and robbery. Refer to the Health Care Worker Background Check Act for a complete list of offenses at www.idph.state.il.us/nar/.

To participate in the clinical portion of the program, students with "disqualifying" offense(s) will be asked to produce a waiver from the Illinois Department of Public Health for identified offenses. To request a waiver application from IDPH, students may call 217-785-5133. Not all clinical sites accept the IDPH waiver (ie. Missouri sites), therefore required clinical sites are also surveyed to determine if clinical placement can be accomplished. If a waiver cannot be produced prior to clinicals/program start or survey results indicate clinical sites prohibit the conviction, the student will be removed from the program.

In addition, positive results from the drug test or student listing on prohibitory government registry will also result in dismissal from the program. Note: Positive drug testing will result from the use of illegal drugs or prescription medication which the student does not have a prescription. Medical marijuana, which is not FDA approved, is also considered a positive drug testing result.

Dismissal for positive criminal background check, drug test, or listing on a government registry does not qualify students for refund of tuition or lab fees. Students who have concerns regarding their status with the above regulations are encouraged to discuss the matter with the program coordinator or the Health Sciences coordinator's assistant prior to seeking admission.

Physical Therapist Assistant (continued)

Precision Machining Technology



Precision Machining Technology (continued)

CNC Machining Certificate (054P)

Computer Numerical Control introduces students to programming, setting up and operating CNC machine tools, which include three-axis vertical mills and two-axis lathes. It also provides experience in setting work offsets and tool lengths and operating HAAS CNC equipment. These courses introduce the programming format needed to program finished machined parts on the equipment. The students will be required to complete finish parts using all the necessary codes that a CNC machine tool offers. The certificate will provide training for CNC operators, machinists and workers wanting to enhance their machining abilities.

Program Requisite

PMT 100	Precision Machining Introduction	0.5
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Semester Credits

PMT 110	Introduction to CNC Operations	2.5
PMT 111	CNC Milling	4
PMT 112		

Radiologic Technology (continued)

applicants than spaces available by whatever means it deems necessary to assure both academic integrity and fairness in the selection process.

In the event that there are more qualified applicants than spaces available in this program, those applicants who reside outside District No. 522 or in a district without a joint agreement for this program will not be eligible for consideration or admission. Resident status is determined by address on file with Enrollment Services by Feb. 1, 2020.

Program Capacity

The Radiologic Technology program generally accepts 40 students each summer semester.

Program Location

The Radiologic Technology program consists of general education courses, RT-prefix courses and assigned clinical experience courses. Specific locations depend on the course type.

1. The general education courses can be taken at the Belleville, Red Bud or Sam Wolf Granite City campuses and can be completed prior to admission.
2. The RT courses are only offered at the Belleville Campus during the day of the semesters indicated on the degree outline. Enrollment in RT courses requires admission into the program.
3. Clinical experience is completed during the day at hospitals/clinics located throughout southern Illinois and in the St. Louis region. Students may be required to travel outside the college district for clinical experience courses. Students will be required to complete some (approximately five) evening assignments during the second year. Specific clinical placement cannot be guaranteed.

Applicants should check location and schedule of classes to ensure availability and access. Students are responsible for their own transportation and attendance at any of the classes and clinicals assigned by the program.

Orientation & Performance

Applicants accepted into this program must attend all required orientation sessions and be able to perform the essential functions of the job with or without reasonable accommodations. The essential functions can be found at swic.edu/rt-performance-essentials.

Applicants or enrolled students are encouraged to contact the Disability & Access Center at 618-235-2700, ext. 5368, to discuss potential issues associated with meeting these requirements.

Health Insurance

Health insurance is required during clinical education courses. Students are personally responsible for any costs incurred for injuries occurring during their clinical experience courses.

Medical/Health Requirements

RT students will be required to possess current CPR certification at the Health Care Provider level, show proof of immunizations, tuberculosis test, physical examination and health insurance coverage before beginning any clinical experience course. These requirements do not have to be fulfilled prior to admission and are further explained at the program orientation meeting.

Background Checks and Drug Testing

Criminal background check, random drug test and name search on government registries which prohibit employment in health care professions are required in our health science programs. Program start is contingent upon meeting deadlines for completion of the screening and results which allow the student to participate in the clinical portion of the program. Details and directions for accessing and purchasing online screening for background checks are shared with accepted students. Background checks are conducted for every state in which the student has worked or resided since the age of 18 years. Conviction of offenses in the following areas normally prohibit the student from participation in the clinical portion of the program and will result in program dismissal: assault, sexual offenses, murder, burglary, arson, and robbery. Refer to the Health Care Worker Background Check Act for a complete list of offenses at www.idph.state.il.us/nar/.

To participate in the clinical portion of the program, students with “disqualifying” offense(s) will be asked to produce a waiver from the Illinois Department of Public Health for identified offenses. To request a waiver application from IDPH, students may call 217-785-5133. Not all clinical sites accept the IDPH waiver (ie. Missouri sites), therefore required clinical sites are also surveyed to determine if clinical placement can be accomplished. If a waiver cannot be produced prior to clinicals/program start or survey results indicate clinical sites prohibit the conviction, the student will be removed from the program.

In addition, positive results from the drug test or student listing on prohibitory government registry will also result in dismissal from the program. Note: Positive drug testing results from the use of illegal drugs or prescription medication which the student does not have a prescription. Medical marijuana, which is not FDA approved, is also considered a positive drug testing result. Dismissal for positive criminal background check, drug test, or listing on a government registry does not qualify students for refund of tuition or lab fees. Students who have concerns regarding their status with the above regulations are encouraged to discuss the matter with the program coordinator or the coordinator’s assistant prior to seeking admission.

Graduation Requirements

Applicants admitted to the program must follow the requirements for graduation at the time they are admitted and must meet all course, program, degree and sequencing requirements specified. Students are responsible for program policies as listed in each year’s RT Student Handbook. Students who fail to meet program specific requirements will be dropped from the program and may be required to reapply and compete for admission in the succeeding year. A grade of C or better is required for all courses in the degree.

All students completing an AAS degree must have completed graduation degree requirements in the front section of the blue pages of this catalog as well as the requirements specified for Human Relations coursework. Health requirements are satisfied by students successfully completing BIOL 105, PSYC 151 and this Health Sciences curriculum.

Radiologic Technology (continued)

Course Sequence

The program can be completed in four semesters and two summer; however, it is recommended that students who wish to maximize points on the application complete General Education Courses (HRO 100, BIOL 105, ENG 101, PSYC 151, SPCH 151/155 and human relations course) prior to entrance into the program and follow the appropriate course requisites. For information on course requisites, please refer to the *C D G* (yellow section) in this catalog. All RT-pre x courses must be completed during the listed semesters, unless permission is given by the program coordinator.

Associate in Applied Science Degree (0028)

First Year

	Semester Credits
Summer Semester	
RT 100 Radiologic Technology I	2.5
RT 101 Radiographic Positioning I	3.5
RT 102 RT Math Computations	1
HRO 100 Medical Terminology	1
Total Semester Credits	8

Fall Semester

	Semester Credits
BIOL 105 Human Biology**	4
RT 110 Radiologic Technology II	3
RT 111 Radiographic Positioning II	4
RT 112 Clinical Experience I	3
RT 131 X-ray Physics I	4
Total Semester Credits	18

Spring Semester

	Semester Credits
ENG 101 Rhetoric & Composition I	3
RT 150 Radiologic Technology III	3
RT 151 Radiographic Positioning III	4
RT 152 Clinical Experience II	3
RT 180 X-ray Physics II	4
Total Semester Credits	17

Second Year

	Semester Credits
Summer Semester	
RT	

Respiratory Care

abilities. Credentials are used as the basis for the licensure in all 49 states that regulate the practice of respiratory care. All states, excluding Alaska, require a respiratory therapist to be licensed.

Program Accreditation

The SWIC Respiratory Care program is accredited by the Commission on Accreditation for Respiratory Care, located at 1248 Harwood Road, Bedford, Texas 76021-4244, phone 817-283-2835, website: www.coarc.com. The program's curriculum is guided by the standards developed by CoARC. The accreditation status means SWIC has met the standards required and helps to assure the public that the curriculum will graduate competent clinicians. It also ensures that the college's RC graduates are qualified to take the National Board for Respiratory Care's certification and registry examinations.

Admission Procedures/

Application Requirements

The admission procedures for the RC program are in accordance with Illinois law. The law requires that programs not having sufficient space and resources to accommodate all applicants will accept those applicants best qualified, using rank, ability and achievement test scores as guides, with preference given to students residing in the district. Out-of-district students will be considered as in-district status for this application process if their community college has an Interdistrict Cooperative/Career agreement with SWIC (listed on page 58 of this catalog). To qualify for the application process, students must submit paperwork from their local community college to SWIC Enrollment Services by the application deadline. Contact the secretary of the Board of Trustees at your community college to get the required paperwork. Students must apply and be formally accepted into the Respiratory

year. Refer to the RC Application Planning Guide for specific application requirements and to enhance your potential for admission to this competitive process.

Application Planning Guides are located on the Respiratory Care webpage or contact the coordinators' assistant, ext. 5355.

Selection of Applicants for Admission:

Respiratory Care (continued)

until the first week of classes during the fall semester. Contact Enrollment Services at 618-235-2700, ext. 5542/5548, to obtain information of a possible application deadline extension. The college reserves the right to fill the program in those years when there are fewer applicants than spaces available by whatever means it deems necessary to assure both academic integrity and fairness in the selection process.

In the event that there are more qualified applicants than spaces available in this program, those applicants who reside outside District No. 522 or in a district without a joint agreement for this program, will not be eligible for consideration or admission. Resident status is determined by address on file with Enrollment Services by Feb. 1, 2020.

Program Capacity

The Respiratory Care program generally accepts 30 students each

students are encouraged to contact the Disability & Access Center at 618-235-2700, ext. 5368, to discuss potential issues associated with meeting these requirements.

Health Insurance

Health insurance is required during clinical practice courses. Students are personally responsible for any costs incurred for injuries occurring during their clinical practice.

Medical/Health Requirements

RC students will be required to possess current BLS certification and show proof of immunizations, tuberculosis test, physical examination and health insurance coverage before beginning any clinical practice course. These requirements may not have to be fulfilled prior to admission and are further explained at the program orientation meeting.

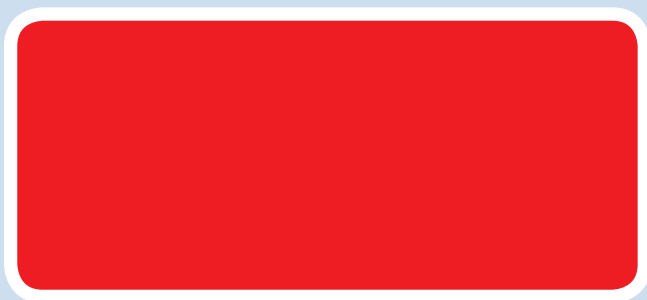
Background Checks and Drug Testing

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Dismissal for positive criminal background check, drug test, or listing on a government registry does not qualify students for refund of tuition or lab fees. Students who have concerns regarding their status with the above regulations are encouraged to discuss the matter with the program coordinator or the coordinator's assistant prior to seeking admission.



Warehousing and Distribution

Dean: Bradley Sparks, ext. 7420
email: bradley.sparks@swic.edu

Warehouse employees help load and unload freight and move it around warehouses and terminals. Often, these employees work together in groups of three or four. They may use conveyor belts, handtrucks, pallet jacks or fork lifts to move freight. They may place heavy or bulky items on wooden skids or pallets to be moved by industrial trucks.

An objective of the certified warehousing and distribution specialist curriculum is to create a pool of skilled employees from which companies can draw as they staff their warehousing and distribution centers. A second objective is to provide training for employees currently employed in warehousing and distribution to prepare them for greater responsibility and growth in their careers. Skills taught in the courses are drawn from typical job duties. Typical items to be prepared for are to provide

Web Technologies

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the *C* *D* *G* (yellow section) in this catalog.

Associate in Applied Science Degree (0011)

First Year			
Fall Semester			Semester Credits
CIS	174	Web Fundamentals I	3
CIS	180	Introduction to Programming	3
CIS	195	Introduction to D	

Web Technologies (continued)

Certificate Programs

Web Coding (011D)

Students completing the Web Coding Certificate will learn software and coding principles required to construct websites. Emphasis will be placed on good HTML coding techniques. Students will learn to code for specific browsers and will learn how to include animation and sound on websites.

CIS 174

Welding Technology

Spring Semester		Semester Credits
WLDT 252	Pipe Welding	4
WLDT 253	GTAW/GMAW/FCAW/PAC	4
WLDT 254	Testing and Inspection of Welds	3
WLDT 255	Layout and Fitup for Welders	3
Technical Electives*		5
Total Semester Credits		19
Total Program Credits		70

*Any course with a CAD, CMT, EET, HVAR, IDP, IML, PMT or WLDT prefix

Important Information

The following semester sequence is designed as a guide for students enrolled full time and is not intended as a required schedule. Students should take courses in progression following the appropriate requisites. For information on requisites, please refer to the *C* *D* *G* (yellow section) in this catalog.

Associate in General Studies

Program Code: 0003

Description:

These requirements are for students whose interests and educational objectives do not fall within either a traditional transfer or occupational program. The Associate in General Studies degree allows students to explore a wide range of subject areas without concentrating on any particular one. This degree is not designed to transfer to four-year colleges or universities or, in most cases, to prepare for career entry.

Admission:

In general, the intentions of the AGS are to provide: 1) a liberal studies program; 2) an individualized program meeting needs not met by other programs; and 3) a capstone program for graduates of occupational certificate programs. Students requesting admission into the Associate in General Studies degree program will be required to establish a formal degree plan with an academic advisor and take the college Placement Test for appropriate course placement in English and math. This plan must be filed with Enrollment Services prior to the completion of the last 15 credits of required coursework. Students who have earned an associate degree or are eligible for an associate degree other than the AGS will not be considered for this degree.

Terms:

Students have six years to complete the requirements for the program they have declared. If the requirements are not completed within six years, students will be required to meet degree requirements for the program in effect at that time. However, students not enrolled for three consecutive semesters (not including summer) must meet the curriculum requirements in effect at the time of re-enrollment. Students can always choose to complete the current curriculum degree requirements.

Total Hours:

A minimum of 64 semester credits is required for this degree.

Residency:

Fifteen of the last 24 credits must be completed at Southwestern Illinois College.

GPA:

A minimum cumulative GPA of 2.00 is required for the degree.

Human Relations:

One of the following courses must be completed. The course that is selected may also be applied toward the Humanities or Social/Behavioral Science General Education requirement as applicable. For reference, these courses are listed in white print in the general education areas.

- _____ Humanities: HIST 230, LIT 117, LIT 215, LIT 216
- _____ Social Science: HIST 180, HIST 181, HIST 292, POLS 150
- _____ Behavioral Science: PSYC 265, PSYC 295, SOC 153, SOC 203, SOC 230

Math and English Course Placement:

All beginning degree-seeking students are required to be assessed and placed in the appropriate math and/or English classes. For more information, please refer to the Math and English Course Placement section in this catalog.

College Success Strategies:

Beginning students are encouraged to enroll in ED 101 College Success Strategies. For information regarding these courses, see the Course Description Guide at the back of the catalog.

Apply for Graduation:

Students must submit an application to Enrollment Services. Applications can be submitted through eSTORM or through Enrollment Services. To be considered for a specific term, applications must be received by the following dates:

<u>Term</u>	<u>Application Date</u>
Fall/December	Oct. 15
Spring/May	Feb. 15
Summer/July	June 15

Associate in General Studies
Degree Requirements Checklist
Communications

CommU

Adult Education and Literacy:

Illinois High School Equivalency, English as a Second Language,

Classes are offered both days and evenings at the Belleville and Sam Wolf Granite City campuses and East St. Louis Community College Center on a year-round schedule.

Adult Education and Literacy (continued)

GSBS 84 Beginning ELA I .5-6 credits
This is the first of two beginning-level English language classes for students who speak little or no English. The course aids non-native English speaking students in the development of very basic oral and written English abilities.

GSBS 85 ESL with Technology I .5-3 credits
This is the first of two courses for non-English speakers to improve English skills through computer-assisted language learning. Students are introduced to basic computer functions as they discover and evaluate software and online resources that develop reading, writing, listening, and speaking skills. The course includes practice in basic keyboarding, as well as information about online security and electronic communications.
Type: P

GSBS 86 ESL with Technology II .5-3 credits
This is the first of two courses for non-English speakers to improve English skills through computer-assisted language learning. Students are introduced to basic computer functions as they discover and evaluate software and online resources that develop reading, writing, listening, and speaking skills. Composition is introduced at this level and writing is done at the computer.
Type: P

GSBS 87 Beginning ELA II .5-6 credits
This is the second of two beginning level English language classes for students who speak little or no English. The course aids non-native English speaking students in the development of very basic oral and written English abilities.

GSBS 88 English Fundamentals .5-6 credits
This course is for students who want to improve their mastery of the English language or who are not prepared for college work in English. It covers the essentials of English grammar, punctuation, usage, vocabulary and spelling.

GSBS 95 Basic Math .5-3 credits
This class is designed for persons with low mathematical skills who need assistance to be able to score well enough on the entrance tests to be placed in Pre-HSE math classes.
Type: P

GSBS 101 Pre HSE Reading and Writing I .5-6 credits
This course covers the essentials of English grammar and essay writing and reading comprehension in social studies, science and literature.

GSBS 104 Pre HSE Reading and Writing II .5-6 credits
This is a reading and writing course for adults who have not graduated from high school.

GSBS 105 Pre HSE Reading and Writing III .5-12 credits
This course prepares students for the high school equivalency exam review class by developing reading and writing skills and by reviewing basic math and grammar. A study of the Constitution is introduced.

GSBS 107 Office Support Skills .5-2 credits

A part of a series of transition courses, GSBS 107 provides training in o f 31244.48EMC.6 0d serie xt (BDC /T12_1 Tf 9.6 0 0 9.6 108.02

Adult Education and Literacy (continued)

GSBS 113 Intermediate ELA II .5-6 credits

This is the second of two intermediate-level English language classes for non-native English speaking students who have basic English abilities. The course focuses on improving English reading, writing, listening, and speaking abilities for the purpose

Community Education and High School Partnerships

Community Education

swic.edu/community

Community Education courses are designed for students who are interested in personal development activities. These courses are offered at the Belleville campus.

Community Education credit is not applicable toward any associate degree or occupational certificate at Southwestern Illinois College. For further information, call the office of Community Education at 618-235-2700, ext. 5393.

Personal Development and Individual Enrichment Courses

Community Education offers noncredit classes for residents of various ages. Computer education, grant writing, and ethnic cuisine are just a few of the offerings available through this department. Classes are short-term and reasonably priced, meeting on Saturdays or weeknights for your convenience.

Programs for youth are available in the summer. The summer Kids on Campus and College for Kids programs offer students the opportunity to learn while having fun. Week-long programs feature everything from rocket science to multicultural and foreign language experiences to computer game design.

High school students who need help getting into the college of their choice can attend SAT Prep Classes at SWIC. These noncredit Saturday classes provide students with helpful hints for interpreting questions and understanding the types of information included in the test. Advance registration is required.

Development/Review of Vocational Skills

GSVR 81 Life Skills for Special Needs 2 credits
Teaches and reinforces specific skills needed for adults with special needs to function in society. Class is designed to teach related skills, independent living, safety and other related topics.
Type: P

Paraprofessional Test for Teacher's Aides

Individuals who would like to work as a teaching aide in local schools must pass a certification test. This certification is required for employment in most Illinois schools.

Classes to assist in preparing for this test are available through the Community Education office. The WorkKeys Paraprofessional Certification Test is also offered through this office. For schedule of classes and test dates, please contact the Community Education office at 618-235-2700, ext. 5393.

Special Interest Seminars

Local experts share information on topics of interest to members of the community. These programs are offered over several weeks and cover a variety of topics. Currently, residents can attend seminars on Medicare and Buying & Selling Homes.

Programs and Services for Older Persons (PSOP)

201 N. Church St., Belleville, IL 62220 –
618-234-4410

swic.edu/psop

PSOP provides a wide variety of services, programs and activities to promote healthy aging for adults aged 55-plus, promoting independence and helping them remain in their homes as long as possible. PSOP is committed to active aging through engagement in physical, mental and volunteer activities which facilitate seniors to thrive, remaining vibrant and connected to others and the world at large.

These opportunities are provided in offices located throughout the college district. Some of the services provided are:

Educational Programs

A variety of workshops and seminars are offered. Educational topics cover subjects of importance to seniors and caregivers to include health, legal and financial issues. Other programming promotes lifelong learning based on topics of interest and enjoyment.

SeniorLink Computer Training

SeniorLink computer training is designed to teach mature adults how to navigate multiple computer programs and applications including Windows, email, the internet and social networking sites. Classes are small and instructors assist students to learn at their own pace.

Access to Resources and Public Benefits

Trained staff assist seniors to access and receive multiple public benefits and services including the Senior Gneher T)54(r)11(ain52.3602 Tm h)a

Health and Wellness Programs

Classes to improve strength, balance and coordination for all activity levels including Gentle Yoga and Tai Chi. Multiple options for increasing activity levels including Line Dancing, and group exercise are available. Health screening and counseling as well as programs to help manage and support chronic conditions that we encounter by living longer are also provided.

Older Adult and Caregiver Counseling Programs

Short term counseling is available for St. Clair County residents over the age of 60, or for those who provide caregiving for a family member or friend over the age of 60. The goal of the programs is to provide community resource information and assist with emotional adjustments related to aging, illness, bereavement, life events, or caregiving. Counseling is available in the home or at the PSOP building. Consultations and sessions are free of charge but donations to the program are accepted. Related community education programs, support groups, and literature are also available.

Volunteer Opportunities (RSVP)

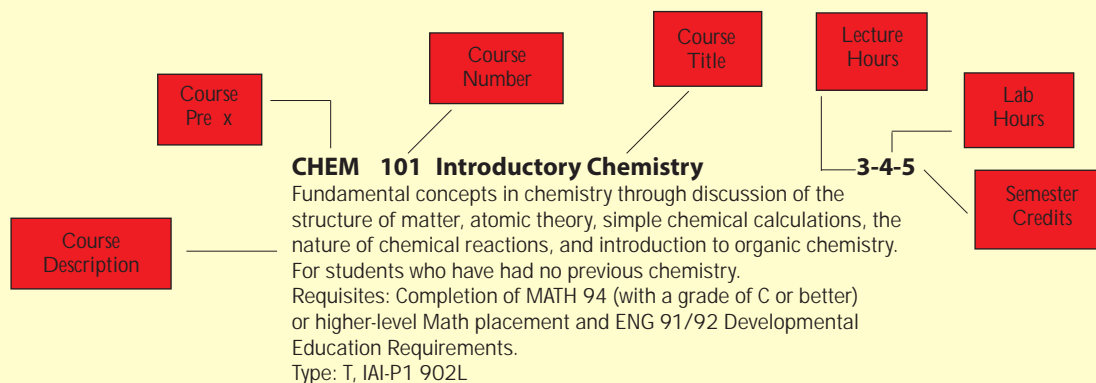
RSVP recruits individuals to volunteer through agencies, hospitals, libraries and schools. More than 110 community agencies draw upon RSVP volunteers. Both short- and long-term volunteer assignments are available. Individuals over 55 help others through agencies, hospitals, libraries, nursing homes, and schools.

Home Care (Senior Companions)

The Senior Companion Program provides assistance to homebound elderly in need of companionship because of loneliness, illness or physical impairment. The program also offers respite for caregivers of these individuals. The service is free to the client. As a senior companion, individuals 55 years of age or older, who meet income guidelines, can help others while earning a tax-free stipend and other benefits.
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rirmen fro141dJ T5hours)

COU

How To Read A Course Description



Course Numbering

- Below 100 Courses numbered below 100 are developmental, general studies or refresher courses.
- 100-199 Courses numbered 100-199 are first-year or freshman-level courses.
- 200-299 Courses numbered 200-299 are second-year or sophomore-level courses.

Semester Credits

Each course description reflects the number of semester credits that will be earned upon successful completion of the course. In addition, the description reflects the number of hours per week spent on lecture/lab activities.

Requisite

In order to ensure that students are adequately prepared for courses, some courses require completion of foundation courses or demonstrated skill levels prior to enrollment. These requisites are listed at the end of each course description if applicable.

Type

Following courses that have been approved as part of the Illinois Articulation Initiative is a common code used by all participating colleges and universities across the state. This code reflects the area of the Illinois General Education Core Curriculum to which the course applies. The following are general coding descriptions:

IAI Code

- IAI C – Communications
- IAI F – Fine Arts
- IAI H – Humanities
- IAI L – Life Science
- IAI M – Mathematics
- IAI P – Physical Science
- IAI S – Social Behavioral Sciences

In addition, the following codes are used to identify course types:

- P Developmental courses that are designed to prepare students for college-level courses
- T Transfer courses that are generally accepted as major, minor, or elective credit by four-year collegiate institutions
- C Career oriented courses that are intended for AAS degrees or occupational certificates

Course Pre xes

Accounting	ACCT
Administration of Justice	AOJ
Aerospace Studies – Air Force ROTC	AS
Agriculture	AGRI
Anthropology.....	ANTH
Art.....	ART
Astronomy.....	ATY
Automated Manufacturing Systems – <i>See Electrical/Electronics Technology</i>	
Aviation Maintenance Technology.....	AVMT
Aviation Pilot Training/Aviation Management	AVIA
Avionics.....	AVE
Biology.....	BIOL
Business	BUS
<i>See also</i> Accounting	
Economics	
Management	
Marketing	
Chemistry.....	CHEM
Child Care Services – <i>See Early Childhood Education</i>	
Chinese.....	CHIN
Cisco – <i>See Network Academy</i>	CISC
Commercial Maintenance Mechanics	IML
Computer Aided Design.....	CAD
Computer Information Systems	CIS
Computer Hardware Technology – <i>See Microcomputer Hardware Repair under Electrical/Electronics Technology</i>	
Construction Bricklayer.....	BLA
Construction Carpentry.....	CCA
Construction Cement Mason.....	CMA
Construction Electrical Program.....	IEW
Construction Ironworker	IWA
Construction Management Technology	CMT
Construction Painting & Decorating	PDA
Construction Sheetmetal.....	SMA
Culinary Arts and Food Management	CUL
Cybersecurity – <i>See Cisco or Networking</i>	
Early Childhood Education.....	ECE
Earth Science	ES
Economics	ECON
Education.....	ED
Electrical/Electronics Technology	EET
Emergency Medical Services (Paramedic/EMT).....	EMS
Engineering.....	ENGR
English	ENG
Film	FILM
Fire Science.....	FS
French.....	FRFN
Geography.....	0.122 Tw 0 5. 6T6

0.122 Tw

Course Description Guide

Accounting

ACCT 105 Basic Accounting Procedures 3-0-3

This course will introduce students to the fundamentals of accounting; emphasizing the accounting cycle and financial statements. Financial accounting topics relating to merchandisers, inventory valuation, accounts receivable, internal control, bank reconciliation, petty cash, and current liabilities, including payroll, will also be discussed. Students will explore the benefits and use of budgets, and some limited budget preparation will be included. Excel spreadsheet use and application will be incorporated into the instruction. This course is designed for those students who have never had formal accounting instruction or those who need a refresher. It is required in several AAS degrees but does not carry elective credit for the AA and AS transfer degrees.

Requisite: None.

Type: C

ACCT 106 Introduction to QuickBooks 3-0-3

This course is a review of the implementation of basic accounting concepts via a computerized accounting system. Topics include: opening a company file; customer and vendor maintenance; recording and paying bills; recording sales and collections; payroll setup and processing; end-of-period adjustments; and financial statement preparation. This course is designed for those students who have a basic knowledge of accounting concepts. This course is required in the AAS Business Management-Accounting option and the AAS Office Administration and Technology-Accounting Office Specialist Option, but does NOT carry elective credit for either AA or AS degrees. NOTE: ACCT 105, ACCT 110, or Accounting experience strongly encouraged.

Requisite: None.

Type: C

ACCT 110 Financial Accounting 4-0-4

This course introduces students to accounting as an information system that produces summary financial statements, primarily for users external to a business or other enterprise. Accounting terminology and concepts along with the analysis, recording, reporting, and interpretation of financial information are examined. Emphasis will be placed on accounting for current and long-

Course Description Guide (continued)

AOJ 102 Public Safety Telecommunications 5-0-5

Students will receive instruction in all phases of public safety communications. Students who successfully complete this course will be able to perform the duties of a dispatcher for police, fire, emergency medical services, hospital, civil defense, or ambulance service units.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: C

AOJ 103 Introduction to Corrections 3-0-3

Organization, management and operation of correctional institutions and their role in the criminal-justice system.

Requisite: None.

Type: T, IAI-CRJ 911

AOJ 105 Police Administration

Course Description Guide (continued)

AOJ

Course Description Guide (continued)

AOJ 285 Basic Arson Investigator 6.5-6-8.5

This course is intended for full-time Fire fighter 2 personnel who have been certified in Fire Modules I and II with a background in Fire Investigations and whose governmental authority is seeking to advance them to an arson investigator position. All attendees must be "vetted" through the OSFM to ensure they are properly credentialed. Successful completion of this 200-hour course will allow the agency to apply to the Office of the State Fire Marshal for certification and, based on agency preferences, would allow the investigator to act as a peace officer when investigating a suspected arson fire with the power and authority of any certified peace officer.

Requisite: None.

Type: C

AOJ 290 Police Report Writing 3-0-3

A course designed and structured for pre-service law-enforcement students who wish to improve their proficiency in effective writing.

Requisite: ENG 101 with a grade of "C" or better.

Type: C

AOJ 299 Spec Topics In Admin of Justice Variable up to (4)-(8)-(4)

Varied topics in policing and/or security will be addressed in order to meet most current needs of the industry. NOTE: Requisite varies by topic.

Requisite: Department consent.

Type: C

Aerospace Studies

AS 101 Foundations of USAF I 2-0-2

A survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force. Leadership Laboratory is mandatory for Air Force ROTC cadets and it complements this course by providing students with followership experiences and prepares them for Field Training. Classroom activity, one hour per week; Leadership Laboratory two hours per week. Grades earned in these courses will be computed in the student's overall grade point average. Semester credits of these courses may be included in the hours needed for graduation at the discretion of individual departmental chairpersons. Classes are held at Saint Louis University.

Requisite: None.

Type: T

AS 102 Foundations of USAF II 2-0-2

A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. Leadership Laboratory is mandatory for AFROTC cadets, and it complements this course by providing students with followership experiences and prepares them for Field Training. Classroom activity, one hour per week; Leadership Laboratory two hours per week. Aerospace Studies courses (AES 101 through AES 202) are basic courses designed to acquaint students with the United States Air Force and the opportunities available as an officer. Grades earned in these courses will be computed in the student's overall grade point average, but semester credits for these courses will not be included in the total credits for graduation.

Requisite: None.

Type: T

AS 201 Evolution of USAF Air & Space Power 1 2-0-2

Focuses on laying the foundation for teams and leadership. The topics include skills that will allow cadets to improve their leadership on a personal level and within a team. The courses will prepare cadets for their field training experience where they will be able to put the concepts learned into practice.

The purpose is to instill a leadership mindset and to motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate. Leadership Laboratory is mandatory for Air Force ROTC cadets and it

Course Description Guide (continued)

AGRI 235 Crop Science 3-2-4

The basic principles of plant growth, including human and environmental influences and the theoretical and practical application of agronomic principles to crop production. Includes the historical and economic importance of crop plants for food, feed, and fiber; origin, classification, and geographic distribution of field crops; environmental factors and agronomic problems; crop plant breeding, growth, development, and physiology; cropping systems and practices; seedbed preparation, tillage, and crop establishment; pests and controls; and harvesting, storing, and marketing practices.

Requisite: None.

Type: T, IAI-AG 903

AGRI 299 Special Topics in Agriculture Variable up to (3)-(4)-(4)

This course will cover special topics or problems in agriculture and provide students with the knowledge and ability to deal with those topics or problems in relation to their special requirements.

Requisite: None.

Type: T

Anthropology

ANTH 150 Cultural Anthropology 3-0-3

Cultural anthropology is the holistic study of human culture focusing on the nature of culture, symbols, systems of power, and the everyday lives of people around the world. By studying diverse cultures anthropologists strive to understand humanity in general. Cultural anthropology is a powerful tool for understanding our lives in the modern global society defined by cross-cultural interactions and cultural change. Completion of this course fulfills the Non-Western Culture requirement for graduation from Southwestern Illinois College.

Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better; Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-S1 901N

ANTH 160 Physical Anthropology 3-0-3

This course is an introduction to physical anthropology. It includes the study of human evolution, the relationship of humans to other primates both physically and behaviorally, the relationship between human evolution and the development of culture, physical variation of modern human populations, and applications of physical anthropology in medicine and forensics. The goal is to understand the connections between human biology, behavior, and culture through an examination of the process of evolution.

Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better; Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-S1 902

ANTH 210 Native American Cultures 3-0-3

This course examines the variety of Native American cultures. It will use an anthropological perspective to examine linkages between the cultures and their environments, their histories (written, oral and archaeological), art, religion, social structures, kinship, and political systems. Current challenges to these cultures will be examined. It is designed to give students a broad overview of indigenous cultures in North America.

Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better; Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T

ANTH 250 Introduction to Archeology 3-0-3

This course focuses on the theory and application of archaeology. Students will be concerned with interpretation of material remains of past cultures, and through the study of such evidence, attempt to recreate the history of humanity from its earliest past to determine the nature of cultural systems at different times and places. The nature of culture (material and non-material), excavation and dating techniques, major shifts in habitation patterns and subsistence techniques, and major prehistoric world civilizations are explored and emphasized.

Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better; Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-S1 903

ANTH 299 Special Topics in Anthropology Variable up to (4)-0-(4)

Special topics and issues in Anthropology presented through lectures, discussions, readings, and/or individual research. Topics vary each semester.

Course may be taken more than once if different topics are covered.

Requisite: Sophomore standing and one course in Anthropology.

Type: T

Art

ART 101 Art Appreciation 3-0-3

This course for non-art majors is an introduction to the visual arts and is intended to foster an appreciation of our Western art heritage. The focus will be on helping students understand and consequently appreciate how visual art works are made, as well as how they function or communicate within their societal context, both past and present.

Requisite: Reading placement above ENG 91 or completion of ENG 91.

Type: T, IAI-F2 900

ART 102 Art Survey: Modern to Contemporary 3-0-3

This course provides students with an overview of the major art movements and artists who shaped the art of the 19th and 20th centuries. The survey begins with the "roots" of modern art in Europe, particularly the "Paris School," and concludes with the contemporary art of the "New York School."

Requisite: Reading placement above ENG 91 or completion of ENG 91.

Type: T, IAI-F2 902

ART 103 Survey of Non-Western Art 3-0-3

This course is a survey of the visual arts (painting, drawing, printmaking, sculpture and architecture) in selected non-Western societies. Included are the works of Neolithic/Paleolithic man; Oceanic; African; Native American; Mezzo-American; Eastern/Far Eastern to include Islamic; India; China and Japan. Emphasis will be on artistic, cultural, social, historical, and geographic contexts of the major non-Western societies. Successful completion of this course fulfills the non-Western culture requirement at SWIC.

Requisite: Reading placement above ENG 91 or completion of ENG 91.

Type: T, IAI-F2 903N

ART 104 Art History I: Prehistoric-Gothic 3-0-3

A survey of European and Near Eastern Art covering prehistoric, ancient Near East, Egyptian, Aegean, Greek, Etruscan, Roman, early Christian, medieval, Romanesque, and gothic art. The course will utilize front screen projection, DVDs, PowerPoints, lectures, discussions, and a museum trip.

Requisite: Reading placement above ENG 91 or completion of ENG 91.

Type: T, IAI-F2 901

ART 105 Art History II: Renaissance-Modern 3-0-3

A survey of European art covering the following units: Renaissance, Baroque, Rococo, neoclassicism, and romanticism; realism, impressionism, post-impressionism, symbolism, and art nouveau; and 20th century art. The course will utilize front screen projection, DVDs, PowerPoints, lectures, discussions, and a museum trip.

Requisite: Reading placement above ENG 91 or completion of ENG 91.

Type: T, IAI-F2 902

Course Description Guide (continued)

ART 106 History of Photography 3-0-3

This course investigates the historical development of photography as an art form from 1839 to the present, including critical analysis of types of photographs and aesthetic movements in photography. Photographs are examined for their aesthetic and humanistic values, emphasizing photographers within their cultural and social contexts.
Requisite: Reading placement above ENG 91 or completion of ENG 91.
Type: T, IAI-F2 904

ART 110 Art & Gender 3-0-3

This course is a linear overview of the role of women artists in the history of the visual arts from medieval to modern times and the impact of these artists on the world of fine art.
Requisite: Reading placement above ENG 91 or completion of ENG 91.
Type: T, IAI-F2 907D

ART 111 Basic Design I 1-5-3

A studio course introducing an exploration of the elements and principles of two-dimensional design. The students will develop an understanding of compositional structure and their applications through a series of exercises and assignments that develop an understanding of the elements and principles of two-dimensional design. This course is designed to provide students with a foundation in the visual arts and to prepare them for further study in the field of art and design.

Course Description Guide (continued)

ART 212 Painting II 1-5-3

Exploration and refinement are experiences stressed in this, a continuation of Painting I. Special emphasis is given to invention, color utilization and compositional studies. Oil painting methodologies to be explored include the indirect, alla prima and various contemporary approaches. Historical models are referenced throughout as standards for painting excellence. There is an expectation that studio-based courses include appropriate instruction in health and safety issues relative to the methods of the course and the materials being used.

Requisite: ART 211.

Type: T

ART 213

Course Description Guide (continued)

ART 253 Life Drawing II 1-5-3

This course is a further exploration of the concepts and techniques of Life Drawing I using a variety of black and white and color media. Skills and concepts will build upon the following: value, contour/line, space, mass/volume, form, gesture, proportion/scaling, perspective, and rendering surface qualities. In addition, there will be exploration with anatomy, planar structure, and spatial relationships. There is an expectation that studio-based courses include appropriate instruction in health and safety issues relative to the methods of the course and the materials being used.

Requisite: ART 252.

Type: T

ART 260 Art for the Elementary Teacher 3-0-3

A practical course for the elementary classroom teacher. Stresses practical classroom procedures using inexpensive materials that are easily obtainable, such as paper, soap, wire, metals, clay, wood, and papier-mache. Stenciling, block printing, silk screening and other techniques are studied. Decoration for special occasions featured.

Requisite: Reading placement above ENG 91 or completion of ENG 91.

Type: T

ART 290 Studio in Sculpture 1-5-3

This course is a continued exploration of sculptural materials, processes, techniques and equipment. Emphasis will be placed on idea development and gaining proficiency in the selection, use and manipulation of sculptural materials and processes. Continued emphasis will be placed on studio safety.

This course of study is preparation for scholastic continuation in sculpture.

There is an expectation that studio-based courses include appropriate instruction in health and safety issues relative to the methods of the course and the materials being used.

Requisite: ART 219.

Type: T

ART 291 Studio in Ceramics 1-5-3

A studio course reinforcing the content of Ceramics II: approaching clay as a self-directed course of study further focusing on the development of an individual approach to the medium. Emphasis will be placed on continued aesthetic development and proficiency in clay forming methods, surface applications, and kiln firing techniques. This course of study is preparation for scholastic continuation in ceramics. There is an expectation that studio-based courses include appropriate instruction in health and safety issues relative to the methods of the course and the materials being used.

Requisite: ART 114.

Type: T

ART 292 Studio in Drawing 1-5-3

Continuation of Drawing I and II. Emphasis will be on individual direction, special problems, life drawing, and research.

Requisite: ART 250.

Type: T

ART 294 Studio in Painting 1-5-3

A continuation of Painting II with more emphasis on personal expression and artistic development.

Requisite: ART 212.

Type: T

ART 295 Studio in Digital Imaging 1-5-3

A course in digital imaging based on the fine art principles of design. This course includes a further study of historical methods of digital imaging and interpreting these methods digitally; learning to appreciate graphic interpretation from the virtual to the real; and using computer applications to produce prints of high artistic merit.

Requisite: ART 241.

Type: T

ART 297 Studio in Life Drawing 1-5-3

This course is a continuation of Life Drawing I & II. Emphasis will be on individual artistic growth concerning different mediums, concepts, research and special problems. There is an expectation that studio-based courses include appropriate instruction in health and safety issues relative to the methods of the course and the materials being used.

Requisite: ART 253.

Type: T

ART 298 Studio in Photography 1-5-3

This course is a more focused approach to aspects of photography and the visual language associated with the practice and cultural uses of the discipline in fine art photography. Lectures will focus on the deeper understanding of the formal design elements of photography; from composition and form to camera control operations; studio lighting techniques in portraiture and small product. Students will utilize their digital still-image recording devices preferred DSLR cameras or SLR film camera.

Requisite: ART 217.

Type: T

ART 299 Special Topics in Art Variable up to (4)-(5)-(4)

An in-depth study of various areas in art presented through lectures, discussions, and/or individual research by the students. Topics will vary. May include travel/study activities.

Requisite: ART 111.

Type: T

Astronomy

ATY 101 Astronomy 3-2-4

A one-semester course covering the fundamentals of descriptive astronomy. Topics include identification of heavenly bodies, astronomical instruments, cosmology, the composition of the universe, time, and the solar system.

Requisite: Math placement above MATH 94 or completion of MATH 94 with a grade of "C" or better; Reading placement above ENG 92 or completion of ENG 92.

Type: T, IAI-P1 906L

Aviation Maintenance Technology

AVMT 106 FAA Test Prep - Airframe 4-0-4

This course is designed to prepare individuals with sufficient aviation industry experience for the Federal Aviation Administration written examination for the Aircraft Mechanic Airframe certification.

Requisite: None.

Type: C

AVMT 107 FAA Test Prep - General 4-0-4

This course is designed to prepare individuals with sufficient aviation industry experience for the Federal Aviation Administration written examination for the Aircraft Mechanic Airframe or Powerplant certification. This written examination is required in conjunction with either the Airframe or Powerplant certification.

Requisite: None.

Type: C

AVMT 108 FAA Test Prep - Powerplant 4-0-4

This course is designed to prepare individuals with sufficient aviation industry experience for the Federal Aviation Administration written examination for the Aircraft Mechanic Powerplant certification.

Requisite: None.

Type: C

AVMT 121 Instruments and Navigation Systems 2-2-3

Handling and storing of instruments, static system leak tests, instrument systems, autopilots and approach control systems, communication and navigation equipment, FCC regulations, antennas and related electronic equipment, static discharges, soldering, brazing, welding of steel, tubular steel fabrication, soldering stainless steel, and welding of magnesium and titanium.

Requisite: Reading placement above ENG 91 or completion of ENG 91.

Type: C

Course Description Guide (continued)

AVMT 122 Fuel Systems, Inspection & Aircraft Rigging 2-2-3

Deicing and anti-icing systems, pitot static systems, fuel tanks, fuel valves and pumps, fuel system component repair, fuel quantity indicating system, pressure fueling systems, fuel dump system, fuel transfer and defueling, fuel pressure and temperature warning systems, and aircraft inspection procedures. Also included are fixed- and rotary-wing nomenclature, theory of flight, structure alignment, control cable and terminals, flight control cable system, control surface balancing, and push-pull control systems.

Requisite: None.

Type: C

AVMT 126 Aircraft Non-Metallic Structures 2-2-3

Aircraft wood defects, glues and gluing techniques, wood structures, protective finishes, fabric covering, applying of aircraft primers and paints, honeycomb and bonded structure repair, fiberglass repair, acrylic and acetate plastic repair, pressure door seal repair, seat mechanisms, and seat belt installation.

Requisite: Reading placement above ENG 91 or completion of ENG 91.

Type: C

AVMT 127 Aircraft Metallic Structures 2-2-3

Conventional aircraft riveting, FAA specifications, special rivets and fasteners, hi-shear rivets and deicer boot fasteners, aircraft sheetmetal layout and bending, twist drill nomenclature and drilling techniques, fuselage and wing structures, stressed skin repair, and watertight joint repair.

Requisite: None.

Type: C

AVMT 131 Aircraft Electrical Systems 2-2-3

Topics include basic DC electrical theory, series and parallel circuits, FAA acceptable wiring techniques, aircraft component wiring, electrical controls and indications, multi-meter operation, AC and DC systems, aircraft schematics, and digital systems theory.

Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better; Reading placement above ENG 91 or completion of ENG 91.

Type: C

Course Description Guide (continued)

AVMT 176

Course Description Guide (continued)

AVIA 114 Flight Training Private Helicopter Part II 2-0-2

During AVIA 114, the student will receive instruction in all operations and procedures required at the Private Pilot level. Training will include local and cross-country flights, operations into unfamiliar airports, auto rotation landing procedures, confined areas, pinnacle operation and night operations. At the completion of the course the student must develop the ability to successfully accomplish the practical FAA test.

Requisite: Concurrent enrollment in or completion of AVIA 111 and AVIA 112.

Type: C

AVIA 122 Aircraft Systems and Components 2-0-2

An in-depth study of the systems installed on single-engine general aviation aircraft certified under FAR Part 23. Subjects include aircraft certification, construction, flight controls, engine design and operation, fuel systems, basic hydraulics, electrical systems, instruments and landing gear. This course is designed to provide flight students and certified pilots a thorough understanding of systems and prepares the individual for the advanced AVIA

Course Description Guide (continued)

AVIA 202 Flight Training Instrument 3-0-3

The student is introduced to all phases of instrument flying such as straight and level flight, climbs, descents, spirals, stalls, recovery from unusual altitudes, communications, navigation and approaches. All phases in this program are completed in the airplane under the instructor's guidance. (Available for course credit)

Requisite: AVIA 201, AVIA 203.

Type: C

AVIA 203 Simulator Instrument 1-0-1

During this course the student will become familiar with the instrument flight enroute and approach procedures required of an instrument rated pilot.

The student will perform a series of instrument holds, VOR, nondirectional beacon and instrument landing system approaches in a BATD flight trainer.

Requisite: AVIA 103, AVIA 153.

Type: C

AVIA 205 Garmin GNS 430 VFR Operations 0.5-0-0.5

This course will introduce the student operating under visual flight rules to the operational concepts, terminology and user functions of the worldwide Global Positioning System for aircraft instrument navigation. Students will become familiar and proficient with the features, controls, range displays, menus, flight planning and navigational source displays along with the user functions of the VHF communication radio and VOR function of the Garmin GNS 430 system.

Requisite: None.

Type: C

AVIA 207 Garmin G 1000 System Training 0.5-0-0.5

This course consists of a system overview of the components, line replaceable units and functional displays of the Garmin G1000 Integrated Flight Display and Global Navigational System for both VFR and IFR pilot operations.

Instructional topics include the function of each LRU and the data that it provides for the integrated Primary and Multi-Function Flight Displays.

Instructional topics also cover the data input sources for the G1000 integrated system and functional inputs to the panel displays.

Requisite: None.

Type: C

AVIA 208 Simulator-Garmin GNS 1000 VFR 0.5-0-0.5

This course consists of eight hours of VFR operational training for the Garmin GNS 1000 Global Navigational System. The student will become familiar with the operation of the GNS 1000. Topics include:

1. Operational concepts, iona)TJ T* [souy and Multi-Function Fligh(operation)Tj /T13ude

Course Description Guide (continued)

AVIA 265 Flight Training Commercial Helicopter Part II 2-0-2

This course continues the Commercial Pilot Flight training with student training of Commercial maneuvers and operations as directed by their Instructor Pilot. Continued instruction will provide additional local and night operations training to unfamiliar airports. Pinnacle and platform operations along with soft and short-field take-off and landing procedures and night operations will be accomplished. At the end of this course the student will be ready to complete the FAA check ride for the Commercial Rotary Wing Pilot Certificate.

Requisite: AVIA 263.

Type: C

AVIA 266 Airport Planning and Management 3-0-3

A comprehensive examination of the management and operation of civil airports. Areas of emphasis include master planning, Federal Aviation Regulations dealing with airport operations, environmental issues, land use planning, airport capacity and delay, access factors, economic impacts, financial analysis and budgeting systems, security, liability, maintenance, professional qualifications and public relations.

Requisite: AVIA 101.

Type: C

AVIA 269 Multi-Engine Flight Theory 1-0-1

An in-depth study of the fundamentals of multi-engine flight operations and aerodynamics. During this course the student will become familiar with high performance aircraft engine operation, electrical systems, fuel systems, landing gear systems (both hydraulic and electric), pressurization and aircraft performance calculations. A review of normal, abnormal, and emergency procedures required for multi-engine instructor and multi-engine ATP are accomplished.

Requisite: AVIA 101, AVIA 151, AVIA 201.

Type: C

AVIA 270 Flight Training Multi-Engine 1-0-1

This course consists of the flight training to prepare students for the multi-engine rating. Emphasis will be placed on aircraft systems and engine. (Available for course credit)

Requisite: Department consent.

Type: C

AVIA 271 Flight Instructor Helicopter Theory 3-0-3

This course prepares the student to develop instructional techniques by learning the fundamentals of the learning process, elements of effective teaching, instructor candidate evaluation and testing, course development, lesson planning, classroom training techniques and aeronautical knowledge areas required for the Private and Commercial Rotorcraft Helicopter Certificate.

Requisite: Hold a Commercial Instrument Rotary Wing Pilot Certificate

Requisite: Department consent.

Type: C

AVIA 272 Flight Training Helicopter Instructor 2-0-2

This course provides the flight instructor candidate with the flight training to accomplish the FAA practical test for a Rotary Wing Flight Instructor Certificate. Training includes ground operations, flight maneuvers for rotary wing and flight related emergency procedures. The applicant must meet the appropriate standards as listed in the FAA Airmen Certification Standards.

Requisite: Concurrent enrollment in or completion of AVIA 271.

Type: C

AVIA 273 Flight Instructor Helicopter Instrument Theory 2-0-2

An advanced instructor course that prepares the student for the FAA Instrument Instructor Rotary Wing Knowledge Exam. Course contents includes; fundamentals of instruction, the learning process, elements of effective teaching, instructor candidate evaluation and testing, course developments lesson planning and classroom training techniques. The course also provides training on flight instruments, human factors, safe operations under IFR and IFR navigation, Instrument approaches and IFR enroute. In addition, the course provides training in ATC procedures, Federal Aviation Regulations for IFR flight, Helicopter IFR operations and Aviation Weather that includes recognition of critical weather conditions.

Requisite: AVIA 272 or coordinator approval.

Type: C

AVIA 274 Flight Training Helicopter Instrument Instructor 1-0-1

An advanced instructor course that prepares the student to successfully accomplish the FAA Practical Test for the Instrument Instructor Rotary Wing Certificate. Training emphasis includes pre flight preparation, pre flight procedures, air traffic control clearances and procedures, flight by reference to instruments, navigation systems and instrument approach procedures. The instrument instructor candidate must meet the standards as outlined by the FAA Airmen Certification Standards.

Requisite: Concurrent enrollment in or completion of AVIA 273.

Type: C

AVIA 280 Internship 0-15-3

Provides an opportunity to gain experience in the aviation system (non-flight) after completion of prescribed aviation courses. Experience obtained will be through a joint effort on the part of industry, ATC, Airline, FBO, FAA and SWIC faculty. A written report is required.

Requisite: Department consent.

Type: C

AVIA 291 Airline Transport Pilot Ground 3-0-3

An advanced ground course that has been designed to prepare the student for the Airline Transport Pilot written examination. Advanced instruction on light and heavy jet aircraft, FAR Parts 121 and 135 will be included. Course meets two weekends, for four days or supervised self-study is available. The final is taking the ATP written examination.

Requisite: Department consent.

Type: C

AVIA 292 Flight Training-ATP 3-0-3

Flight instruction in preparation for the ATP rating in airplanes. The materials studied in AVIA 291 are applied in this course (available for course credit).

Requisite: AVIA 291.

Type: C

AVIA 299 Special Topics In Aerospace Variable up to (5)-(10)-(5)

The student will apply aviation knowledge learned to solve problems using case studies, simulations, special or aviation management techniques. Semester credits will be based on the complexity of the problem.

Requisite: None.

Type: C

Biology

BIOL 100 General Biology: Ecology, Evolution, & Genetics **3-2-4**

A laboratory course emphasizing scientific inquiry through the topics of cell structure and function, genetics, biodiversity, evolution, and ecology. Biological issues with personal and social implications will be introduced. Not intended for science majors.

Requisite: Math placement above MATH 94 or MATH 94 with a grade of "C" or better; Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.
Type: T, IAI-L1 900L

BIOL 101 Principles of Biology I **3-2-4**

A laboratory course emphasizing the fundamentals of organization, metabolism, photosynthesis, growth, genetics and evolution. Intended for science majors.

Requisite: Math placement above MATH 97 or completion of MATH 97 with a grade of "C" or better; Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.
Type: T, IAI-BIO 910, IAI-L1 910L

BIOL 102 Principles of Biology II **3-2-4**

This course is a continuation of BIOL 101. Topics include the origin and phylogeny of life, biodiversity, comparative physiology, and ecology.

Requisite: BIOL 101 with a grade of "C" or better.
Type: T, IAI-BIO 910, IAI-L1 910L

BIOL 105 Human Biology **3-2-4**

Essential principles of human anatomy and physiology are presented, including basic chemistry, microscopic investigation of cell and tissue samples, physiologic exercises, and an overview of the following body systems: body organization, basic chemistry, histology of tissues and the integumentary, skeletal, muscular, nervous systems and senses, endocrine, blood, heart and the circulatory system, lymphatic and immune systems, respiratory, digestion, urinary systems, and reproduction. This course is intended as a one-semester survey course for certain health sciences and social programs.

Requisite: Math placement above MATH 94 or MATH 94 with a grade of "C" or better; Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.
Type: T

BIOL 106 Environmental Science **3-0-3**

A course designed to provide a broad understanding of the physical, biological and social aspects of the environment. Topics include basic ecological concepts, energy problems, natural resources, human population growth and environmental pollution. Possible solutions to these topics will be considered.

This course does not meet the laboratory science requirement at SWIC.
Requisite: Math placement above MATH 94 or MATH 94 with a grade of "C" or better; Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.
Type: T, IAI-L1 905

BIOL 108 General Ecology **3-2-4**

An introduction to the principles of ecology: the interaction between organisms and the environment. Principles of energy flow, nutrient cycling, population ecology, biotic communities and human ecology will be considered. Field trips to natural areas, some of which are physically taxing, are an integral part of the course.

Requisite: Math placement above MATH 94 or MATH 94 with a grade of "C" or better; Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.
Type: T, IAI-L1 905L

BIOL 110 Introduction to Marine Biology **3-0-3**

This course focuses on both the biological and physical aspects of marine environment. Topics discussed include the physical geography of the ocean, diversity of life, marine ecosystems, and how humans affect the marine environment. A separate field trip course may be taken to fulfill the lab requirement of this class.

Requisite: Math placement above MATH 94 or MATH 94 with a grade of "C" or better; Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.
Type: T

BIOL 151 Fundamental Botany **3-2-4**

This course considers the fundamental concepts of all living organisms as they relate to the plant kingdom, with primary emphasis on the structure and function of seed plants. Special consideration is given to biochemical makeup, cell and tissue anatomy, basic plant morphology and physiology, ecology and evolution.

Requisite: Math placement above MATH 94 or MATH 94 with a grade of "C" or better; Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.
Type: T

BIOL 157 Human Anatomy & Physiology I **4-2-5**

This course begins with a study of cells and tissues followed by a comprehensive anatomical and physiological study of the following human systems: nervous, endocrine, integumentary, skeletal, and muscular. Vertebrate dissections are required.

Requisite: Math placement above MATH 94 or MATH 94 with a grade of "C" or better; Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.
Type: T

BIOL 158 Human Anatomy & Physiology II **4-2-5**

A comprehensive anatomical and physiological study of the following human systems: circulatory, immune, respiratory, digestive, urinary and reproductive. Aspects of microbiology are integrated into the course. Vertebrate dissections are required.

Requisite: BIOL 157 with a grade of "C" or better.
Type: T

BIOL 204 Vertebrate Zoology **2-4-4**

This course is the study of diversity, evolutionary history, anatomy, physiology and systematics of vertebrates and their closest relatives. This course includes a significant laboratory component that involves dissection of preserved vertebrates.

Requisite: BIOL 101 with a grade of "C" or better.
Type: T

BIOL 220 Intro to Cadaver Dissection **0-2-1**

This course is an introduction to human cadaver dissection with an emphasis on dissection techniques and gross anatomy of the human body. Students will work in small groups to perform supervised dissection of a human cadaver.

Requisite: BIOL 157 with a grade of "C" or better. Department consent
Type: T

BIOL 250 Microbiology **3-2-4**

This course is the study of the structure, metabolism, reproduction, heredity, evolution, ecological and pathological relationships of microbes including bacteria, viruses, fungi, yeasts and protozoa.

Requisite: BIOL 101 or BIOL 157 each with a grade of "C" or better.
Type: T

BIOL 270 Genetics **3-2-4**

This course takes a problem-solving approach to the study of three fundamental areas of modern genetics: transmission, molecular, and evolutionary genetics. Major principles in each area will be covered in sufficient detail to provide students with a broad understanding of the field. Laboratory experiments and activities will enhance and apply concepts covered in lecture.

Requisite: MATH placement above MATH 112 or MATH 112 with a grade of "C" or better; BIOL 101 with a grade of "C" or better.
Type: T

BUS

BIOL 299 Special Topics in Biology Variable up to (4)-(6) Credits
 This course will give students an opportunity to investigate special topics or problems in biology, and provide students with the knowledge and ability to deal with those topics or problems in relation to their special requirements.
 Requisite: None.
 Type: T

BLA - See Construction Bricklayer

Business - See also Accounting, Computer Information systems, Culinary Arts and Food Management, Cybersecurity and Networking, Economics, Graphic Communications, Management, Marketing, Paralegal Studies, Web Technologies

BUS 100 Fundamentals of Finance 3-0-3
 This course provides critical financial information required for entrepreneurial success. Topics covered include: forms of ownership; break-even analysis; time value of money; balance sheets, cash flow statements, and income statements; forecasting; risk management; and personal financial management as it relates to business success. Students may receive credit for only one of the following: BUS 241 or MGMT 241.
 Requisite: ACCT 105e of 7096.13 Tm00(One.) TJJ -0.036 Tw T(T)100(ype: T)TJ /T12 Tf 0

BUS 101 Introduction to Business 3-0-3
 A survey of the functional areas of business. Major topics include: the economic, legal, social and global environment in which modern businesses operate; social responsibilities of business; forms of business ownership; functions and responsibilities of managers; and fundamental concepts of marketing, accounting, finance, information management, and labor relations and human resource management.
 Requisite: None.
 Type: T

BUS 102 Business Mathematics 3-0-3
 This course covers the fundamental processes in mathematical computations used in business and consumer finance. Topics covered include: percentage; interest; consumer credit; cash and trade discounts; mark-up; payroll, property and income taxes; social security; amortization tables; time value of money; stocks; and bonds.
 Students may receive credit for only one of the following: BUS 102 or MGMT 102
 Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better.
 Type: O

BUS 205 Economic and Business Statistics 4-0-4
 The following concepts and statistical techniques are included: measures of central tendency and variability; random variables and probability distributions; binomial, normal, and sampling distributions; estimation; tests of hypotheses; chi square tests; linear regression and correlation; and multiple regression. Statistical software projects are required. Use of a graphing calculator, as recommended by the instructor, is required for this course. Students may receive credit for only one of the following: MATH 107, MATH 191, or BUS 205.
 Requisite: Math placement above MATH 112 or completion of MATH 112 with a grade of "C" or better; Reading placement above ENG 92 or concurrent enrollment in or completion of ENG 92.
 Type: T, IAI-BUS 901, IAI-M1 902

BUS 209 Business Computer Systems 3-0-3
 This course is designed primarily for students planning to pursue a baccalaureate degree with a major in a field of business. It covers the basics of management information systems from a business perspective. Hardware, operating systems, and applications software used in business enterprises are described. The course also discusses the role of the internet, World Wide Web and e-commerce in modern business enterprises. It introduces application software offered in popular business computer packages, including word processing, database management, spreadsheets, and presentation software, and provides students with a limited amount of hands-on experience with this software.
 Requisite: None.
 Type: T, IAI-BUS 902

BUS 215 Business Law I 3-0-3
 An introduction to the history and philosophy of law and the American legal system. Discussed are fundamentals of contracts, agency and employment, commercial paper, and personal property and bailment. A lecture case approach is used.
 Requisite: None.
 Type: T

Course Description Guide (continued)

CHEM 106 General Chemistry II 3-4-5

Continuation of Chemistry 105 with special emphasis on kinetics, thermodynamics, solution chemistry, control of equilibrium, acid-base theory, solubility, electrochemistry, complex ions, and some nuclear chemistry. Requisite: CHEM 105 with a grade of "C" or better; Math placement above MATH 112 or completion of MATH 112 with a grade of "C" or better.

Type: T, IAI-CHM 912

CHEM 201 Organic Chemistry I 3-4-5

An introduction to organic chemistry dealing principally with structure, reaction mechanisms and properties of organic compounds; with special emphasis on alkanes, alkenes, alkyl halides, alcohols, and ethers.

Requisite: CHEM 106 with a grade of "C" or better.

Type: T, IAI-CHM 913

CHEM 202 Organic Chemistry II 3-4-5

A continuation of Chemistry 201 with special emphasis on spectra, aldehydes, ketones, carboxylic acids, derivatives of carboxylic acids, amines, and phenols.

Requisite: CHEM 201 with a grade of "C" or better.

Type: T, IAI-CHM 914

Child Care Services - See Early Childhood Education

Chinese

CHIN 101 Elementary Chinese I 4-0-4

is introductory language course focuses on establishing a solid foundation in the four basic skill areas of reading writing, listening comprehension and speaking in Mandarin Chinese. Students are also introduced to the history and cultures of the Chinese-speaking world.

Requisite: Reading placement above ENG 91 or completion of ENG 91.

Type: T

CHIN 102 Elementary Chinese II 4-0-4

is introductory language course is a continuation of CHIN 101 and focuses on establishing a solid foundation in the four basic skill areas of reading, writing, listening comprehension and speaking in Mandarin Chinese. Students are also introduced to the history and cultures of the Chinese-speaking world.

Requisite: CHIN 101.

Type: T

Cisco Networking Academy -

See also Networking

CISC 106 Introduction to Cybersecurity 1-0-1

is course provides an overview of cybersecurity including the importance of cybersecurity, the characteristics and operation of malware, and options for defense against cyber threats. Students will also explore why cybersecurity is important in various industries. NOTE: Successful students will possess a basic understanding of networking concepts prior to enrolling.

Requisite: None.

Type: C

CISC 116 Cisco Cybersecurity Essentials 2-0-2

Cybersecurity Essentials provides foundational knowledge of the security domains in the cyber world. The course introduces information security, systems security, network security, mobile security, and physical security. Additional topics include ethics and laws, related technologies, defense and mitigation techniques use in protecting businesses. The course discusses the characteristics and tactics of cyber criminals and explores the technologies, products, and procedures used by cybersecurity professionals to combat cybercrime.

Requisite: Concurrent enrollment in or completion of CISC 106.

Type: C

CISC 151 Cisco Network Essentials 3-2-4

Cisco Network Essentials is the first of four courses leading to the Cisco Certified Network Associate certification. This course introduces the architecture, structure, functions, components, and models of the internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. Students will be able to build

Course Description Guide (continued)

CISC 241 Cisco Voice over IP 2-2-3

This course provides an introduction to converged voice and data networks as well as the challenges faced by its various technologies. The course presents Cisco solutions and implementation considerations to address those challenges. In this course, students will learn about the architecture, components, functionality and features of Cisco Unified Communications Manager and Cisco Unified Communications Manager Express. Students will also learn Voice over IP and Quality of Service technologies and apply them to the Cisco Unified Communications environment. NOTE: Students who meet the requisite through professional certification should contact the program coordinator.

Requisite: CISC 152 with a grade of "C" or better.

Type: C

CISC 299 Special Topics in Cisco Networking Variable up to (4)-0-(4)

This course presents projects and topics in Cisco Networking by simulated experiences, observations, discussions, conferences, readings and individual research. Projects and topics will vary to meet individual interest and needs.

Note: Requisite varies by topic.

Requisite: None.

Type: C

Computer Aided Design

CAD 100 Print Reading for Tech Trades 2-0-2

This course is an introduction to ASME Y14 drafting standards. Topics such as spatial visualization, orthographic, multiview, oblique, axonometric projection, lettering, sections, geometric construction, auxiliary views, and dimensioning provide the necessary foundation for pictorial communication.

Requisite: None.

Type: C

CAD 101 Basic Drafting 2-4-4

This course is an introduction to sketching and computer aided drafting. Topics such as orthographic, multiview, oblique, axonometric projection, lettering, sections, geometric construction, auxiliary views, and dimensioning provide the necessary foundation for pictorial communication.

Requisite: Concurrent enrollment in or completion of CAD 120.

Type: C

CAD

Rcomp01, t completion of CAD 120.

Type: C

Course Description Guide (continued)

CIS 147 Fonts & Type 2-0-2

This course will teach students the basic concepts and techniques necessary to use type as an element of design and more than just words on a page. The course is designed to look at font faces as well as families, and explores the use of not only the type face but how through the effective use of type tools and color it can interact with other graphics on the page to become a true element of design.

Note: CIS 120 or basic computer skills preferred. Recommended experience with Adobe Creative Software.

Requisite: None.

Type: C

CIS 164 Internet Essentials 3-0-3

Students will learn the most important internet topics, including the history of the internet, connecting to the internet, basic email, integrated browser email software, and advanced internet topics.

Note: CIS 125, CIS 181 or file management skills recommended.

Requisite: None.

Type: C

CIS 165 Python Programming 3-0-3

This course is an introduction to game programming and game development.

Students will use an object oriented programming language to learn fundamental programming concepts. Various predefined object types will be introduced and students will learn how to control object attributes and behaviors as they write event procedures containing variables, conditions, and loops. Topics will also include sound, animation, and graphics.

NOTE: CIS 125 or file management skills recommended.

Requisite: One of the following: CIS 180, CIS 184, CIS 187, CIS 252.

Type: C

CIS 168 Graphic Design 3-0-3

This course is designed to teach students the basic design vocabulary, elements, and principles. Individual elements of design such as line, shape, value, texture, space, size and color will be explored as they relate to electronically

Course Description Guide (continued)

CIS 184 Visual Basic Programming I

Course Description Guide (continued)

CIS 259 Current Web/Graphic Technology 3-0-3

This course is designed to familiarize students with the most current technology and its impact on web and graphic design. Because this is such a fast-paced field, the course will continually be updated to match the needs of the changing graphic and web design occupations. Topics include content management systems, Adobe suite application integration, current graphic and web development marketing trends and current software applications including graphic design, web design and online content marketing. Interpersonal skills, teamwork, communication skills and ethical considerations applicable to today's graphic and web environment will be developed and practiced.

Requisite: CIS 174.

Type: C

CIS 260 C++ Programming II 3-0-3

This course is a continuation of the beginning C++ programming class. The course builds upon object-oriented concepts such as inheritance, function overloading, and polymorphism. Students apply techniques of dynamic memory to build arrays and objects that can adjust memory requirement at run time. Additional topics include the exploration of input/output capabilities and the string processing capabilities of the language.

Requisite: CIS 250.

Type: C

CIS 262 C# Programming II 3-0-3

This course is a continuation of C# language topics, including exception handling, delegates, inheritance, polymorphism, and interfaces. Students will use the Visual C# language to develop advanced software components and class libraries in Visual Studio.

Requisite: CIS 252.

Type: C

CIS 263 Data Access 3-0-3

This course is an introduction to data access. Students use an integrated development environment and multiple object oriented programming languages to create user interfaces that query and manipulate data from a variety of data providers. Students will create datasets that define data tables, queries, constraints and relationships. Students will also learn techniques to query in-memory data structures, handle errors in a multi-user environment, and use visual tools to create reports.

Requisite: CIS 252, CIS 275.

Type: C

CIS

Course Description Guide (continued)

CIS 284 Visual Basic Programming II 3-0-3

This course is a continuation of Visual Basic language topics, including exception handling, delegates, inheritance, polymorphism, and interfaces. Students will use the Visual Basic language to develop advanced software components and class libraries in Visual Studio.

Requisite: CIS 184.

Type: C

CIS 287 Web Programming II 3-0-3

This course is designed to expand the subject material covered in the Web Programming I class. Topics include the continuation of object-oriented techniques to application development. Subjects may include database connectivity, inner classes, collections classes, networking and threads.

Requisite: CIS 187.

Type: C

CIS 288 Web Server Programming II 3-0-3

This course students will use the skills learned in previous classes to plan, design, create, and publish dynamic, database-driven websites to a web server.

The work completed in this course should demonstrate the student's ability to design and manage a complex website.

Requisite: CIS 174, CIS 187.

Type: C

CIS 296 Web and Graphics Internship 3-0-3

The student will complete a special assignment with an approved employer for 160 hours of related work experience. Evaluation of the student's performance

will be a cooperative effort between the employer and the instructional staff.

The primary purpose of the field project is to give the student an opportunity

Course Description Guide (continued)

CCA 119 Concrete Formwork II 1.5-1-2

This course is the second of two courses designed to introduce basic hands-on concrete forming applications and systems, hardware use, multiple anchoring procedures, use of concrete terminology, and provide the skills needed for psychomotor techniques in concrete construction. Students will also learn how to work with others to make the job more efficient. Students will achieve building layout procedures, establish elevations and install foundations. Students will be given the opportunity to read forming diagrams. Students will also be introduced to commercial concrete stair forming, insulated concrete forms, piling, and commercial footings and foundations.
Requisite: None.
Type: C

CCA 126 Residential Framing I 1.5-1-2

The Residential Construction course will cover basic home building procedures for sub-floor and wall framing. Emphasis will be placed on preparing students to start the lay-out process required for residential home building. Procedures followed and taught will be current field methods used by today's residential carpenters.
Requisite: None.
Type: C

CCA 127

Course Description Guide (continued)

CMA 265 Construction Cement Mason Apprenticeship VI 3-2-4

This course will acquaint the student with practical knowledge of cement troweling machines, CMT paving and blueprint reading. A short course in first aid will also be included.
Requisite: CMA 255.
Type: C

CMA 274 Principles of Plaster Material 3-2-4

This course will include cement plaster on metal lath cement block and bricks, below grade foundations. It will include an introduction to molding and ornamentation using plaster.
Requisite: CMA 264.
Type: C

CMA 284 Plaster Molds and Ornamentation 3-2-4

This course will include an introduction to plaster ornamentation using various techniques. It will also include Blueprint Reading and Estimating for plasterers.
Requisite: CMA 274.
Type: C

CMA 299 Special Topics for Cement Masons Variable up to (4)-(8)-(4)

This course is designed to familiarize students with special topics or problems in the construction cement masons' field, to provide them with knowledge and ability to deal effectively with those topics or problems in relation to their specific requirements.
Requisite: None.
Type: C

IEW 118 IBEW Elec Wireman Internship I 0-20-4

This course is designed to compliment classroom instruction for the Construction Electrical Specialist program. This on-the-job component will reinforce both knowledge and skills of the apprentice by hands-on experience relating to topics such as the wiring of residential, commercial, industrial and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the direct supervision of a journeyman electrician.
Requisite: Department consent.
Type: C

IEW 131 IBEW Elec

Construction Electrical Program

IEW 110 Intro to Math Apps for the IBEW 2-0-2

This course is part of the IBEW Apprenticeship Program. The topics to be covered include basic math concepts, units and conversion, metric system, square roots, solving algebraic equations, scientific notation, and basic principles of geometry, vector, ratios and proportions.
Requisite: Department consent.
Type: C

IEW 111 IBEW Electrician Inside Wireman I 3.5-1-4

This course is part of the IBEW Apprenticeship Program. The topics to be covered include job site safety, electrician's tools, material rigging, basic conduit bending, electrical calculations and basic blueprint reading.
Requisite: Department consent.
Type: C

IEW 112 IBEW Electrician Inside Wireman II 3.5-1-4

This course is part of the IBEW Apprenticeship Program. The topics to be covered include direct current theory, series and parallel circuits, circuit calculations and national electrical code.
Requisite: None.
Type: C

IEW 113 IBEW Electrician Inside Wireman III 3.5-1-4

This course is part of the IBEW Apprenticeship Program. The topics to be covered include codeology as it relates to the National Electrical Code, measuring processes used in the electrical industry, intermediate conduit bending, and hydraulic, mechanical and hand benders.
Requisite: None.
Type: C

IEW 114 IBEW Electrician Inside Wireman IV 3.5-1-4

This course is part of the IBEW Apprenticeship Program. The topics to be covered include inductance and capacitance in AC circuits, National Electrical Code standards relating to transformers, transformer theory, transformer design and calculations, wiring methods and devices.
Requisite: None.
Type: C

Course Description Guide (continued)

IEW 152 IBEW Electrician Installer/Tech II 3.5-1-4

Course Description Guide (continued)

IEW 241 IBEW Electrician Lineman III 3.5-1-4

This course is a continuation of the IBEW Apprenticeship Program. The topics to be covered include emphasis on job site safety, hazardous communication, metering devices, distribution circuits, the principles of three phase alternating current, transformers, blueprint fundamentals, symbols, specifications, electrical drawings and diagrams, introduction to using a transit, reading maps, plans and profiles, and construction standards/NESC. Requisite: None.
Type: C

IEW 242 IBEW Electrician Lineman IV 3.5-1-4

This course is a continuation of the IBEW Apprenticeship Program. The topics to be covered include emphasis on job-site safety, cable types, sizes, splicing and terminations, fault indicators, explosives, mobile cranes, lifting and digging operations, hot line tools, tower footings and erections, joining high-line conductors, street lighting and traffic signals, over voltage protection, phasing and typing-in circuits and overload capabilities of electrical equipment. Requisite: None.
Type: C

IEW 243 IBEW Electrician Lineman V 3.5-1-4

This course is a continuation of the IBEW Apprenticeship Program. The topics to be covered include emphasis on job site safety, testing ground resistance, maximeters, a review of alternating current, inductance, capacitors, fiber optics and codes and standards, rubber protective devices, live line maintenance, extra high voltage primary metering and fusing, fuse principles, substation equipment, construction and safety procedures, oil circuit breakers, air break switches, watt hours and watt-hour meters. Requisite: None.
Type: C

IEW 244 IBEW Electrician Lineman VI 3.5-1-4

This course is a continuation of the IBEW Apprenticeship Program. The topics to be covered include emphasis on job site safety, fault currents, testing for line faults, voltage regulation, step regulators and tap changing transformers, capacitors and capacitor switching, lightning protection, wind energy, photovoltaics, labor management, foremanship and a comprehensive review on transformers, insulator testing, live line maintenance, substation control equipment, power factor, power harmonics, and blueprints. Requisite: None.
Type: C

IEW 245 IBEW Elec Lineman Internship II 0-20-4

This course is designed to complement classroom instruction for the Construction Electrical Specialist Program. The on-the-job component will reinforce both knowledge and skills of the apprentice by hands-on experience relating to topics such as the wiring of electrical service to residential, commercial, industrial and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the direct supervision of a journeyman electrician. Requisite: Department consent.
Type: C

IEW 251

Course Description Guide (continued)

IWA 279 Construction Ironworker Apprentice VII 3-2-4

This course will supplement the fourth year apprentices on-site work experience with classroom instruction. The course will include reading blueprints for metal buildings; advanced rigging, welding and safety as they relate to metal buildings will also be addressed.

Requisite: IWA 269.

Type: C

IWA 289 Construction Ironworker Apprentice VIII 3-2-4

This course will supplement the fourth year apprentices on site work experience with classroom instruction. The course will include advanced blueprint reading, commercial glass installation, commercial fencing, welding and safety training.

Requisite: IWA 279.

Type: C

IWA 299 Special Topics in Ironworking Variable up to (4)-(8)-(4)

This course is designed to familiarize students with special topics or problems in the Construction Ironworkers' field, to provide them with knowledge and ability to deal effectively with those topics or problems in relation to their specific requirements.

Requisite: None.

Type: C

Construction Management Technology

CMT 150 Construction MGT Internship I

Course Description Guide (continued)

CMT 149 Weatherization II 0.5-2-1.5

This course provides students with training in preparation for the Building Performance Institute oral and field practicum evaluation for RBE-WHALCI certification. This course is compliant with BPI RBE-WHALCI standards. Instruction will include insulation, air leakage, duct insulation, duct leakage, air barriers, IC and non-IC rated lighting, door seals and gaskets, and material selection for proper dams. The BPI certification oral and practicum exam is given within 14 days of completion of the course. The BPI certification is contingent upon the successful completion of oral and field practicum. This course will also include OSHA Health and Safety training.
Requisite: Department consent.
Type: C

CMT 152 Construction Materials & Methods II 3-0-3

A comprehensive study of the materials and methods used in building construction. Emphasis on closure and finishes.
Requisite: None.
Type: C

CMT 153 Construction Estimating 3-0-3

The methods and procedures used in estimating construction costs.
Requisite: CMT 102.
Type: C

CMT 200 Advanced Blueprint Reading For Building Trades I 3-0-3

This class emphasizes an understanding of the skills, the application and coordination of the contract documents that are used for large building and civil construction projects. Architectural documents of current building projects, as well as engineering drawings and specs will be reviewed and studied in detail.
Requisite: CMT 102.
Type: C

CMT 204 Basic Engineering for Builders 3-0-3

This course will provide the student with a basic understanding of engineering principles that are used to build a building.
Requisite: CMT 102, CMT 103, GT 105.
Type: C

CMT 205 International Building Code 3-0-3

The scope of this code covers all buildings except detached one- and two-family dwellings and townhouses not more than three stories in height. This comprehensive code features time-tested safety concepts, structural, and fire and life safety provisions covering means of egress, interior finish requirements, comprehensive roof provisions, seismic engineering provisions, innovative construction technology, occupancy classifications, and the latest industry standards in material design. It is founded on broad-based principles that make possible the use of new materials and new building designs.
Requisite: CMT 102, CMT 103, CMT 152.
Type: C

CMT 206 Building Systems 3-0-3

This course incorporates the most recent building codes, specialty codes and other regulatory requirements impacting the design of mechanical, electrical, plumbing and structural systems. Sustainable design principals are applied to the selection, design and construction of these systems. Students will develop basic vocabulary and understanding of how commonly used systems function while gaining understanding of commissioning principles and procedures related to building system LEED certification.
Requisite: CMT 102, CMT 103.
Type: C

CMT 244 Occupational Safety & Health I 3-0-3

Familiarizes students with a total accident prevention program and safety movement. Concepts of safety education with special emphasis placed on obligations, responsibilities, principles and practices necessary in understanding accident prevention. For those individuals interested in or having direct responsibilities for the implementation and/or operation of an accident-prevention program.
Requisite: None.
Type: C

CMT 257 Construction Planning & Scheduling 3-0-3

The student will get an understanding of principles and details of critical path and precedence planning methods and bar charts used in project planning. The course will utilize Microsoft Project software to allow hands-on preparation of schedules of actual projects.
Requisite: None.
Type: C

CMT 258 Contracts & Claims 3-0-3

This course will offer material that will make the job-site foreman and project manager aware of the factors that cause legal problems that result in litigation. How to read a contract and when not to sign also will be covered. Topics will include contract language, liability, tort liability, contract documents and breach of contract.
Requisite: None.
Type: C

CMT 265 Advanced Computer Applications 3-2-4

Building Information Modeling (BIM) is not an "end all" solution. It's important to recognize use the software will bring great advantage to the process of construction as we move from a fragmented 2-D documentation system that is inherently unintelligent, to one that is centrally based and able to parametrically analyze model data almost instantly. In our legacy system, individual drawings and lines have no value other than their printed form. This second semester class uses the intelligent model produced in semester one of purposes for system integration, clash detection, constructability modeling, estimating, scheduling and related pre-construction tasks.
Requisite: CMT 105.
Type: C

CMT 268 Project Administration 3-0-3

This course will cover all the important business and legal aspects of construction management. To include: project delivery, responsibilities, resident project representatives, documentation, computers in CPM, law, safety, meetings, negotiations, operations, payments, changes to contract, claims and disputes, through project.
Requisite: CMT 102, CMT 103, CMT 153, CMT 257, CMT 244.
Type: C

CMT 299 Problems in Construction Variable up to (4)-(8)-(4)

Application of construction principles to specific problems through case studies, special projects or problem-solving procedures.
Requisite: None.
Type: C

Construction Painting & Decorating

PDA 117 Painting & Decorating Apprentice I 3-2-4

This course is designed to introduce the first-year apprentice to painting and decorating. He/she will be given information and instruction in the fundamentals of the trade to supplement his/her on-the-job training.
Requisite: None.
Type: C

PDA 127 Painting & Decorating Apprentice II 3-2-4

This course is designed to introduce the first-year apprentice to the painting and decorating trade. He/she will be given information and instruction in the fundamentals of the trade to supplement his/her on-the-job training. This course is an extension of PDA 117.
Requisite: PDA 117.
Type: C

PDA 137 Painting & Decorating Apprentice III 3-2-4

This course is designed to provide the more experienced apprentice instruction in the phase of the trade that requires detailed information about materials and their uses. This second-year course is divided into two parts. Material covered will include color, tinting, graining, dyes and sealers.
Requisite: PDA 127.
Type: C

Course Description Guide (continued)

CUL 118 Fundamentals of Meat Processing 1-4-3

This course is designed for students who are seeking to expand their knowledge and practical skill in meats identification, analysis, and cutting. Students will learn a variety of preparation methods for beef, lamb, poultry, pork, and fish. Detailed instruction in understanding desired characteristics of particular products, proper form, grading, and to particular meats will be discussed in detail.

Requisite: CUL 101, CUL 116 or concurrent enrollment.

Type: C

CUL 123 Legal Aspects of Food Service Management 3-0-3

This course is designed for those students who are seeking a down-to-earth explanation of legal subjects relevant to food service. The course will focus on employee relations, food liability, liquor liability, patron civil rights and federal regulations that are of concern to food service managers.

Requisite: None.

Type: C

CUL 127 Baking & Pastry 1-2-2

This course is designed for students who are seeking to expand their knowledge and practical skill in the preparation of breads, pastries, and cakes. Students will learn a variety of preparation methods for breads, pastries, danish and eclairs. Learn how to prepare beautiful and tempting baked goods. NOTE: Students who have not completed CUL 116 but possess a valid ServSafe® Food Protection Manager Certification or Illinois Food Handler Certification should contact the program coordinator for CUL 116 credit.

Type: C

Course Description Guide (continued)

CUL 228 Culinary Nutrition for Food Service 3-0-3

This course is designed to help individuals develop a better understanding of the importance of nutrition. Communicating with nutritional specialists is also an important part of food preparation. Items to be covered will include nutrition in industry, eating habits, recipe development and trends in nutrition.

Requisite: None.

Type: C

CUL 230 Internship I 0-15-3

The student will be assisted in finding a position in a hands-on field experience of 240 hours. This will enable the student to apply classroom theories to actual situations. Students will be graded on participation and on written reports which describe their experience.

Requisite: Department consent.

Type: C

CUL 231 Internship II 0-15-3

The student will be assisted in finding a position in a hands-on field experience of 240 hours. This will enable the student to apply classroom theories to actual situations. Students will be graded on participation and on written reports which describe their experience.

Requisite: Department consent.

Type: C

CUL 232 Advanced Decorating Techniques 2-4-4

This course provides students with challenging baking and pastry concepts and emphasis on complex recipes. The course focuses on the study of advanced methods and mediums used in the pastry art industry. Through lecture and hands-on application, students will prepare recipes from scratch. They will study proper preparation, scaling, measuring and mixing techniques. This course will focus on an understanding of numerous techniques in sugar, chocolate, moldable mediums, gelatin designs, advanced fondant, gum paste, marzipan, royal icing and pastillage.

Requisite: CUL 101, CUL 116, CUL 129, CUL 130.

Type: C

CUL 233 Contemporary Plating Techniques 1-2-2

This course is designed for those students who are seeking to expand their knowledge of the art and craft of food presentations. Food and craft of hands-on applications will prepare recipes from scratch. They will use in

Course Description Guide (continued)

ECE 122 Infant and Toddler Care 3-0-3

Examines the fundamentals of infant and toddler development, including planning and implementing programs in group care settings. Emphasizes meeting physical, social, emotional, and cognitive needs of children from birth to three years. Specific infant and toddler child care issues to be addressed are scheduling, preparing age appropriate activities, health and safety policies and procedures, record keeping, designing effective learning environments, and reporting to parents.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements; ECE 110, ECE 112.

Type: C

Course Description Guide (continued)

ES 299 Problems in Earth Science Variable up to (3)-(6)-(4)

A seminar for in-depth study of current topics in the Earth Sciences. Readings, literature reviews, discussion and individual research emphasized. Topics vary according to student and instructor interest.

Requisite: None.

Type: T

Economics

ECON 115 Introduction to Economics 3-0-3

ECON 115 is a survey of macro- and microeconomic principles to acquaint the student with economic concepts, institutions, and policies. Credit will not be given if this course is taken after ECON 201 or ECON 202; students needing more than one course in economics should take ECON 201 and ECON 202.

Requisite: None.

Type: T, IAI-S3 900

ECON 201 Principles of Economics I (Macro) 3-0-3

ECON 201 is a one-semester introduction to macroeconomics. Major topics include the production possibilities model, basic supply and demand analysis, measurement and interpretation of gross domestic product, inflation, and unemployment, classical and Keynesian theories, aggregate supply and aggregate demand, money and banking, the Federal Reserve System, fiscal and monetary policies, and the determinants of long-run economic growth.

Requisite: None.

Type: T, IAI-S3 901

ECON 202 Principles of Economics II (Micro) 3-0-3

ECON 202 is a one-semester introduction to microeconomics. Major topics include the theory of consumer choice, the price elasticity of demand, costs of production, price and output determination in different product market structures, wage and employment determination in labor markets, government policies to deal with market failures such as monopoly, public goods and externalities, the gains from trade based on comparative advantage, and an overview of current economic problems and issues facing the United States.

Requisite: None.

Type: T, IAI-S3 902

Education

ED 101 College Success Strategies Variable up to (3)-0-(3)

College Success Strategies is designed to introduce the student to the college experience and help develop the attitudes, strategies, habits, relationships, and knowledge necessary for success. Emphasis will be placed on understanding student rights and responsibilities, developing note-taking strategies, time management skills, and improving study skills. Other topics include self-discovery, interpersonal skills, college survival techniques, transition to college, and transferring to other collegiate institutions. Additional exploration of personal interests/skills, learning styles, goals, and making effective career choices are interrelated skills that will be developed. Time will also be spent exploring personal pathways to career choices and successful skills for preparing to enter the workforce. Students will complete the Myers-Briggs (MBTI) personal assessment to assist in exploring personal choices and skills.

Requisite: None.

Type: T

ED 120 Paraprofessional Test Prep Variable up to (2)-0-(2)

This pass/fail course for paraprofessional educators is intended to prepare candidates for the WorkKeys and ParaPro tests that are used by the State of Illinois to certify paraprofessionals. The certification standards addressed in the course are required for compliance with the federal government's No Child Left Behind Act. Five learning modules will be covered, including an introduction to assessments, reading, writing, mathematics and test taking strategies. The course will include practical application examples and situations similar to those found on the WorkKeys and ParaPro tests. Students will gain a better understanding of how they learn as adults and effective strategies for test preparation.

Requisite: None.

Type: C

ED 252 Educational Psychology 3-0-3

Educational psychology is a survey course introducing students to major areas related to teaching and learning. It explores motivation, intelligence, creativity, evaluation, measurement, growth and development learning perspectives. It focuses on the learning process and the impact of culture on learning styles. It may include observational experiences. Students may not receive credit for both ED 252 and PSYC 252.

Requisite: PSYC 151.

Type: T

ED 255 Introduction to Education 3-0-3

This course is an introduction to the field of education, examining the different aspects of education as a profession. The organizational structure, education reform, finance, and curriculum of schools at the federal, state, and local levels will be discussed. Current issues in education, basic instructional strategies, teacher responsibilities, and cultural diversity, along with overviews of the social, historical, and philosophical foundations of education will be addressed. Instructional technology use will be demonstrated and experienced. Transferring to a four-year education program and state requirements for licensure will also be addressed. Students should plan schedules in advance for 20 hours of field experience at an assigned school site 2-4 hours per week. Placements will be assigned through Junior Achievement (teach JA lessons). Students must complete fingerprinting prior to placement (will be arranged for as part of course). Students should also be prepared to submit a cleared tuberculosis test result before entering most school (student responsible for paying and arranging this test). Online sections may be required to attend an orientation prior to the start of class (instructor will notify as needed).

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T

ED 256 Field Experience in Education Variable up to (1)-(6)-(3)

This course is intended for Education majors. It may be taken for a maximum of three semester credits in the final semester before transfer to a four-year institution or entry into the workforce. One-semester credit is equivalent to 30 hours of experience in partner school classrooms. The course is designed to provide students with the opportunity to gain additional experience in the classroom prior to transfer to four-year institutions. Students will be observing classrooms in their specific areas of interest (special education, elementary education, early childhood education, or secondary education). (This course requires assigned field experience in a school setting. Hours will vary dependent upon the course hours registered for by the student.)

*May be taken as independent study course. (See Education coordinator the semester before).

Requisite: Department consent.

Type: T

ED 257 Education TAP Tuden3 n89phould also be prepared to submit a tuberd to s 283.55MC ET BT/T111 Tf 9009472.9891 422.5

Course Description Guide (continued)

ED 265 Introduction to Special Education 3-0-3

is a survey course that presents the historical, philosophical and legal foundations of special education, as well as an overview of the characteristics

Course Description Guide (continued)

EET 201 Wind and Solar Power

Installation and Maintenance 1.5-1-2

This course is designed to introduce students to the basic concepts and equipment involved in installing and maintaining photovoltaic electrical systems and wind turbine electrical systems. Students will learn how to connect various types of wind and solar electrical systems such as stand-alone or interconnected electrical systems. Content includes advantages and disadvantages, component identification and operation, and hands-on operation, analysis and evaluation of working photovoltaic and wind power systems.

Requisite: None.

Type: C

EET 205 Digital Electronic Circuits II 3.5-1-4

This course continues the study of digital concepts. Introduces digital arithmetic and associated circuits, expands knowledge of counters and shift registers, explores integrated circuits families, decoders, multiplexers, interfacing, and memory devices. Laboratory exercises and computer simulation emphasize concepts learned in the classroom.

Requisite: EET 200.

Type: C

EET 210 Introduction to Microprocessors 3.5-1-4

This course is designed as an introduction to microprocessor hardware and software fundamentals. It will emphasize the use of the microprocessor in industrial/commercial control. Laboratory work will include assembly language programming of a microprocessor trainer.

Requisite: EET 200.

Type: C

EET 225 Microprocessor Interfacing 3.5-1-4

The principles of interfacing the microprocessor to analog and digital circuitry will be covered in this course. Input/output, serial/parallel data transfer and circuit isolation and loading principles are included. Laboratory exercises will require construction of external circuits to be interfaced with an operating microprocessor.

Requisite: EET 210.

Type: C

EET 231 Introduction to Robotics 3.5-1-4

This course provides a comprehensive approach to learning the technical aspects of robotics. The course covers robotic principles, power supplies and movement systems, sensing and end-of-arm tooling, and control systems. The course also covers typical programming techniques for basic robots as well as larger industrial robots.

Requisite: EET 101.

Type: C

EET 232 Instrumentation Fundamentals 3.5-1-4

This course will provide the fundamental principles of automatic process control. It will include primary measurement, transmission, and control. Laboratory work will consist of demonstrations, the use of test equipment for calibration and hands-on exercises. This course will assist the student in becoming familiar with primary elements, transducers, recorders, indicators and controllers.

Requisite: EET 101.

Type: C

EET 234 Instrumentation Systems 3.5-1-4

This course is designed to reinforce and build on topics learned in instrumentation fundamentals. The student will gain comprehensive knowledge of measurement, transmission, control and documentation.

This course will have special emphasis on hardware, calibration, and troubleshooting.

Requisite: EET 232.

Type: C

EET 235 Programmable Logic Controllers 2-2-3

This course offers electricians, maintenance mechanics, or electronic technicians a first course in programmable logic controllers. It focuses on the underlying principles of how PLCs work and provides practical information about installing, programming, and maintaining a PLC as a separate stand-alone automated control component. No previous knowledge of PLC systems or programming is necessary. This course presents PLCs in a generic sense, and the content is broad enough to allow the information to be applied to a wide range of PLC models. All topics are covered in small segments, developing a firm foundation for each concept and operation before advancing to the next. Each topic covered contains a variety of generic programming assignments that are compatible with most types of PLCs.

Requisite: EET 200.

Type: C

EET 238 Special Purpose Electrical Devices and Wiring 2.5-1-3

This course is designed for students desiring to enter the residential or commercial electrician field. It provides the student with an overview of knowledge and skills regarding special purpose electrical devices and circuits that electricians may encounter on the job. Covers basic instrumentation concepts such as flow, pressure, temperature sensors and controls; basic principles and electrical aspects of heating, ventilation, and air conditioning; and principles of other wiring and cabling commonly encountered such as computer network cabling, coaxial cable systems, audio/video, telephone,

fiber optics, alarm system and lighting systems; and an introduction to programmable logic controllers

Requisite: EET 101.

Type: C

EET 239 Advanced PLCs 2-2-3

This course will expand students' knowledge of programmable logic controllers from stand-alone use to being an integral part in a larger automated manufacturing system. Students will learn how to connect and program Contrologix 5000 PLCs to monitor and control various components in a system and then learn how to network multiple PLCs into an integrated system. Emphasis will be on using analog devices. Course will continue with the introduction of using PanelView and other HMI devices and then work with the PLC and HMI software packages to build a complete working machine control system.

Requisite: EET 235.

Type: C

EET 240 Motors and Drives 2-2-3

Presented in this course will be construction features, principles of operation and characteristics of DC and AC motors and variable-speed drives. The testing and troubleshooting of motors will be covered along with connecting and programming variable-speed drives. Lab work will include demonstrations and hands-on work with various motors and drives including basic test equipment.

Requisite: EET 101.

Type: C

EET 241 Electrical Power, Motors & Controls 2.5-1-3

An additional course for students desiring to enter the residential or commercial electrician field. This course provides an overview of the concepts, operation and application of a variety of components, control devices and electrical systems frequently encountered by electricians. Course includes theoretical and practical application of electrical power systems, single/three phase power circuits, transformers, motors and generators, and motor controls.

Requisite: EET 101.

Type: C

EET 242 Electrical Control Systems I 3.5-1-4

The intent of this course is to introduce the student to electrical drawings, which are the electrician's primary means of communication. The rules for working with line diagrams will be covered as well as the principles of operation and application of the components used to make up electrical control circuits. The classroom study of the text and workbook will be supplemented by lab projects whenever practical.

Requisite: EET 101.

Type: C

Course Description Guide (continued)

**EET 299 Special Topics in Electricity/
Electronics Variable up to (4)-(8)-(4)**

Course Description Guide (continued)

EMS 220 Paramedic Field Internship I 0-6-1

The first of five field internship courses designed to provide the student, under supervision, with experience by observing patient assessment as well as other paramedic skills and procedures in the EMS field environment. This course is designed to meet state and national field internship standards for certification. The field internship will typically take place on an ambulance.

Requisite: Program admission.

Type: C

EMS 221 Paramedic Field Internship II 0-6-0.5

The second of five field internship courses designed to provide the student, under supervision, with experience by observing patient assessment as well as other paramedic skills and procedures in the EMS field environment. This course is designed to meet state and national field internship standards for certification. The field internship will typically take place on an ambulance.

Requisite: EMS 205, EMS 210, EMS 220 each with a grade of "C" or better.

Type: C

EMS 222 Paramedic Field Internship III 0-6-0.5

The third of five field internship courses designed to provide the student, under supervision, with experience by observing patient assessment as well as other paramedic skills and procedures in the EMS field environment. This course is designed to meet state and national field internship standards for certification. The field internship will typically take place on an ambulance.

Requisite: EMS 206, EMS 211, EMS 221 each with a grade of "C" or better.

Type: C

EMS 223 Paramedic Field Internship IV 0-12-1

The fourth of five field internship courses designed to provide the student, under supervision, with experience by observing patient assessment as well as other paramedic skills and procedures in the EMS field environment. This course is designed to meet state and national field internship standards for certification. The field internship will typically take place on an ambulance.

Requisite: EMS 207, EMS 212, EMS 222 each with a grade of "C" or better.

Type: C

EMS 224 Paramedic Field Internship V 0-12-2

The last of five field internship courses designed to provide the student, under supervision, with experience by observing patient assessment as well as other paramedic skills and procedures in the EMS field environment. This course is designed to meet state and national field internship standards for certification. The field internship will typically take place on an ambulance.

Requisite: EMS 208, EMS 213, EMS 223, FS 160, FS 280 each with a grade of "C" or better.

Type: C

EMS 299 Special Topics In EMS Variable up to (4)-0-(4)

Application of emergency medical principles to specific problems current in EMS through case studies, simulation, special class projects or problem-solving procedures. Projects and topics will vary to meet specific interests and needs.

Requisite: None.

Type: C

ENGR 251 Surveying

2-2-3

Engineering

ENGR 103 Engineering Graphics 3-0-3 Text (BDC / T112-449 0 0 9) ET BTS32 703.3510(e6(pr)y)1e p an s, 12-4-4

This course in engineering graphics is for all students in the engineering transfer program. Both traditional and microcomputer based computer-aided drafting will be used to produce technical drawings. Topics covered include: lettering, technical sketching, orthographic views, sections, isometrics, obliques, dimensioning, and descriptive geometry.

Requisite: None.

Type: T, IAI-EGR 941

Course Description Guide (continued)

FILM 150 Moviemaking I 1-5-3

Provides an introduction to motion picture production using digital video. Students will gain experience in all aspects of the production stage of the moviemaking process, including operating digital video cameras and DSLR's, setting up and operating lighting equipment, capturing location sound, and serving in all the main crew positions found on professional film sets. Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements. Type: T

FILM 205 Screenwriting II 3-0-3

A continuation of FILM 105, in which students will write a feature-length screenplay. Students will gain further practice creating effective film stories, while adhering to proper screenplay format. In addition, students will focus on the conventions of narrative feature scripts such as three-act structure, character arcs, plot points and reversals, etc. Students will continue to develop skills in giving and receiving constructive feedback of their peers' work and revision. Student will also work on marketing their script by creating a logline and treatment, and pitching their idea orally. Requisite: FILM 105 with a grade of "C" or better. Type: T

FILM 215 Film History 3-0-3

A survey of the history of motion pictures, with an emphasis on important cinematic movements, directors, and technological innovations that have impacted the direction of the art form. Requisite: ENG 101 with a grade of "C" or better. Type: T, IAI-F2 909

FILM 225 Film and Literature 3-0-3

A study of the relationship between film and literature. This course will analyze the literary aspects of narrative films, including plot, setting, character, theme, point of view, etc., as well as examining film adaptations of literary works (novels, plays, short stories, graphic novels, and others) and the similarities and differences between the different media. Requisite: ENG 101 with a grade of "C" or better. Type: T, IAI-HF 908

FILM 230 Sound Design 1-5-3

A hands-on course in sound design, sound editing, and sound mixing for video and film. Using Apple Final Cut Pro, students will learn how to edit dialog, clean up location audio, add sound effects and ambient sound, create music using loops, place music into video projects effectively, and create a balanced final mix of audio levels. This course will also provide an introduction to setting up and recording ADR (automated dialog replacement), and Foley sound effects. Requisite: FILM 140 with a grade of "C" or better. Type: T

FILM 240 Video Editing II 1-5-3

A continued hands-on workshop in digital video editing. Student will edit a variety of narrative, informative, and experimental projects. There will

FILM

Course Description Guide (continued)

FS 101 Principles of Emergency Services 3-0-3

This course provides an overview to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics.
Requisite: None.
Type: C

FS 102 Fire Behavior & Combustion 3-0-3

This course explores the theories and fundamentals of how and why fires start, spread, and how they are controlled.
Requisite: None.
Type: C

FS 110 Fire Prevention 3-0-3

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.
Requisite: None.
Type: C

FS 115 Fire Fighter B 2-2-3

This is the second of three courses designed to prepare a fire fighter trainee to become a Certified Fire Fighter according to standards set by the National Fire Protection Association. It includes instruction in rescue, building construction, forcible entry, ventilation, and fire control.
Requisite: FS 100.
Type: C

FS 116 Building Construction for Fire Protection 3-0-3

This course provides the components of building construction that relate to fire and life 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.
Requisite: FS 100 or FS 101.
Type: C

FS 120 Fire Service Vehicle Operator 1-0-1

This course is designed to give fire science personnel the basic knowledge and skills to safely perform fire service vehicle operations according to state and national standards. Note: Coordinator Permission required to enroll.
Requisite: Department consent.
Type: C

FS 130 Fire Fighter C 1-2-2

This is the third of three courses designed to prepare a fire fighter trainee to become a certified fire fighter according to standards set by the National Fire Protection Association. It includes instruction in ropes and knots, fire protection systems, salvage, overhaul, protection of fire scene evidence, fire department communications, fire prevention, and public education.
Requisite: FS 115.
Type: C

FS 131 Fire Protection Systems 3-0-3

This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.
Requisite: FS 110 or FS 130.
Type: C

FS 159 Fire Suppression & Rescue 0.5-0-0.5

This is a refresher course for active fire department personnel. The successful student shall possess the skills necessary to properly function as a member of a fire suppression and rescue company.
Requisite: Department consent.
Type: C

FS 160 Technical Rescue Awareness 0.5-0-0.5

This course is designed to introduce the student to the risk of structural collapse, rope, confined space, vehicle and machinery, water, wilderness, and trench rescues.
Requisite: Department consent.
Type: C

FS 170 Strategy & Tactics 3-0-3

This course provides an in-depth analysis of the principles of fire control through utilization of personnel, equipment, and extinguishing agents on the fire grounds.
Requisite: FS 101 or FS 130.
Type: C

FS 181 Haz Mat First Responder Variable up to (2.5)-(1)-(3)

The successful student shall possess the skills necessary to operate as a hazardous materials first responder at the operations level according to national regulations and standards.
Requisite: Department consent.
Type: C

FS 200 Fire Service Instructor I 3-0-3

The successful student shall possess the skills necessary to operate as a Fire Service Instructor I according to standards set by the National Fire Protection Association.
Requisite: FS 130.
Type: C

FS 201 Fire Officer I 3-4-5

The successful student shall possess the skills necessary to operate as a company fire officer according to standards set by the National Fire Protection Association.
Requisite: FS 130.
Type: C

FS 205 Fire Apparatus Engineer 3-0-3

A study of the operation of fire apparatus and the theory of hydraulics as used in fire protection. Emphasis is placed on the safe and proper use of fire apparatus and the application of hydraulic principles in fire protection problems.
Requisite: FS 130.
Type: C

FS 210 Fire Service Instructor II 3-0-3

The successful student shall possess the skills necessary to operate as a Fire Service Instructor II according to standards set by the National Fire Protection Association.
Requisite: FS 200.
Type: C

FS 211 Fire Officer II 2-2-3

The successful student shall possess the skills necessary to operate as a multi-company fire officer according to standards set by the National Fire Protection Association.
Requisite: FS 201.
Type: C

FS 260 Vehicle Rescue Operations 3-0-3

The successful student shall possess the skills necessary to operate as a rescue technician at the vehicle and machinery operations-level according to standards set by the National Fire Protection Association.
Requisite: FS 160 or EMS 105 or EMS 110.
Type: C

FS 262 Rope Rescue I & II 3-0-3

The successful student in this course shall possess the rope rescue skills necessary to perform low angle rescue.
Requisite: FS 160 or EMS 105 or EMS 110.
Type: C

Course Description Guide (continued)

FS 264 Confined Space Rescue I & II 3-0-3

The successful student shall possess the skills necessary to perform a safe and effective confined space rescue at the operations level.

Requisite: FS 262.

Type: C

FS 268 Water Rescue I & II 3-0-3

The successful student shall possess the skills necessary to perform a safe and effective water rescue according to applicable NFPA standards.

Requisite: FS 160, FS 262.

Type: C

FS 280 Hazardous Materials - Awareness Variable up to (1.5)-0-(1.5)

This course is designed to provide the educational components required for individuals who may come in contact with a hazardous materials incident.

Requisite: Department consent.

Type: C

FS 299 Special T

General Technology - See Technical Math

German

GERM 101 Elementary German I **4-0-4**

is introductory language course focuses on establishing a solid foundation in the four basic skill areas of reading, writing, listening comprehension and speaking in German. Students are also introduced to the history and cultures of the German-speaking world.
Requisite: Reading placement above ENG 91 or completion of ENG 91.
Type: T

GERM 102 Elementary German II **4-0-4**

is introductory language course is a continuation of GERM 101 and focuses on establishing a solid foundation in the four basic skill areas of reading, writing, listening comprehension and speaking in German. Students are also introduced to the history and cultures of the German-speaking world.
Requisite: GERM 101.
Type: T

GERM 201 Intermediate German I **4-0-4**

Continued development of listening, speaking, reading and writing skills in German. Grammar review. Cultural and literary readings, compositions. Course is conducted almost entirely in German.
Requisite: GERM 102.
Type: T

GERM 202 Intermediate German II **4-0-4**

Continued development of listening, speaking, reading and writing skills in German. Grammar review. Cultural and literary readings, compositions. Course is conducted almost entirely in German.
Requisite: GERM 201.
Type: T, IAI-H1 900

GERM 299 Special Topics in German Variable up to (4)-0-(4)

An in-depth study of various areas in German language and culture presented through lectures, discussions, and/or individual research and readings by the students. Topics will vary. May include travel/study activities.
Requisite: None.
Type: T

Health & Exercise Science

HES 101 Coed Volleyball **0-2-1**

is a beginning course in volleyball stressing individual skills, basic rules and strategy.
Requisite: None.
Type: T

HES 102 Coed Basketball **0-2-1**

is a beginning course in basketball stressing individual skills, basic rules, strategy, history, and terminology.
Requisite: None.
Type: T

HES 105 Bowling **0-2-1**

is an elementary course stressing basic skills, rules, and strategy.
Requisite: None.
Type: T

HES 106 Golf **0-2-1**

is a practical course in golf, primarily for beginners.
Requisite: None.
Type: T

HES 107 Beginning Swimming **0-2-1**

Introduction to basic elementary swimming, stressing orientation to water and the basic strokes.
Requisite: None.
Type: T

HES 108 Intermediate Swimming **0-2-1**

is course stresses a review of the basic skills and additional arm strokes and leg movements necessary in mastering the following: free, breast, butterfly, and back strokes. In addition, students will be instructed in safety and survival skills and basic rescue techniques in the water.
Requisite: HES 107.
Type: T

HES 110 Strength Training **0-2-1**

A study of the fundamental principles involved in body building, including progressive resistance exercises.
Requisite: None.
Type: T

HES 112 Coed Softball **0-2-1**

A beginning course in softball stressing individual skills, basic rules, strategy, history and terminology.
Requisite: None.
Type: T

HES 113 Beginning Tennis **0-2-1**

A beginning course in the basic skills of tennis including tennis rules, strategy, and scoring.
Requisite: None.
Type: T

HES 114 Intermediate Tennis **0-2-1**

Designed as both a comprehensive review of strokes learned at the beginning level and an opportunity to add the lob, drop shot and smash to the players basic stroke skills. More emphasis on singles and doubles play is given than at the beginning level.
Requisite: HES 113.
Type: T

HES 115 Personal Defense-Karate I **0-2-1**

Introduction to basic karate techniques for self-defense and body-toning exercises. No previous training necessary.
Requisite: None.
Type: T

HES 116 Personal Defense-Karate II **0-2-1**

Advanced karate techniques, physical co.79all

Course Description Guide (continued)

HES 124 Beginning Soccer

0-2-1

Students learn the rules of the game, basic skills, basic drills, strategy and scoring.
Requisite: None.

Course Description Guide (continued)

HES 180 Personal Trainer Certification Prep 4-0-4

This course introduces the fundamentals of personal training to help prepare students for a national fitness certification examination. Students will learn how to develop and implement an individualized approach to exercise leadership in healthy populations and/or those individuals with medical clearance.

Requisite: Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.

Course Description Guide (continued)

HIT 161 Microcomputer Applications in HIT 1-4-3

This course will provide an overview of basic information technology concepts and its application to health care and associated delivery systems, the electronic health record or computerized medical record and the health information management department. The software laboratory assignments will focus on computer techniques in spreadsheet design, database management, word processing/transcription, and other health care applications. Topics include spreadsheet design, word processing/transcription, data collection/analysis, archival systems, data sources/sets, quality and integrity of health care data including introduction to the chargemaster, reimbursement methodologies, etc. NOTE: This course requires access to a reliable internet connection to

HIT

Course Description Guide (continued)

HVAR 101 Refrig. & A.C. Principles I 3-2-4

Maintenance and repair of single-unit portable air conditioners. Emphasizes checking compressor and air circulator. Basic refrigeration theory and component application. Refrigerant recovery and recycling processes will be demonstrated.

Requisite: Concurrent enrollment in or completion of HVAR 103.

Type: C

HVAR 103 Basic Electrical Controls & Systems 3-2-4

Introduction to basic electricity, electrical test equipment, wiring diagrams, electrical symbols and electrical motors. The course also includes an introduction to residential air conditioning and heating controls.

Requisite: None.

Type: C

HVAR 152 Advanced Refrig. & A.C. Principles 3-2-4

An advanced course in air conditioning and refrigeration. Different types of units will be discussed with emphasis on split-system air conditioners. Refrigerant recovery and recycling processes will be demonstrated.

Course Description Guide (continued)

HVAR 258 Natl Electrical Code Interpretation 3-0-3

Advanced studies of the terms and concepts that are required for proficiency in interpretation of electrical codes and regulations. Based on the National Electrical Code and a review of practical electrical field knowledge and industrial/residential qualifying exams. This course prepares the student for future career advancements that involve testing by various regulatory agencies. Of particular interest to electricians, contractors, inspectors, and pre-architecture/engineering students.

Requisite: None.

Type: C

HVAR 260 Refrigerant Transition/Recovery Cert 0.5-0-0.5

Prepares individuals with a basic knowledge of air conditioning and refrigeration to successfully pass an environmental protection agency approved certification exam. This exam will allow the individual to work in the refrigeration and air conditioning industry.

Requisite: None.

Type: C

HVAR 262 Air Delivery Systems Materials & Methods 0-2-1

Introduces sheet metal components necessary to physically install a heating and air conditioning system. Tools and assembly will also be covered.

Requisite: None.

Type: C

HVAR 263 Heat Pumps 2-2-3

Introduces air-to-air and ground source heat pump systems. Components unique to heat pumps will be discussed, along with their function in the system. Control systems and troubleshooting will be covered. Emphasis will be placed on the selection of components and the installation of heat systems.

Requisite: HVAR 152.

Type: C

HVAR 280 Commercial Cooking Equipment I 1-2-2

This course introduces the components that make up commercial cooking equipment as well as their application. Troubleshooting and repair of commercial cooking equipment are introduced as well. Testing of ignition systems and operating systems as well as specialty controls are emphasized.

Requisite: HVAR 103, HVAR 153.

Type: C

HVAR 299 Special Problems in HVAR Variable up to (4)-0-(4)

This course is designed to meet the needs of students requiring instruction on special topics or problems in the heating, ventilation, air conditioning and refrigeration field. This course provides the student with the knowledge and/or skills necessary to address the particular topics or problems outlined in the course syllabus.

Requisite: None.

Type: C

History

HIST 101 World Civilization I 3-0-3

This course is a survey of world history from the birth of civilization to the beginning of the Age of Exploration at the close of the 15th century. Subjects discussed will include the evolution of Greek, Roman, Chinese, Japanese, Islamic, and Native American civilizations; the development of the great world religions; and the birth and growth of Europe. This course will conclude with a discussion and a review of the Age of Exploration.

Requisite: Reading and writing placement at ENG 101 or completion of

Course Description Guide (continued)

HORT 120 Container Gardening **2-0-2**

is course is designed to teach students the art, skill, and technique of container gardening. Selection of appropriate containers, media, and plant materials for various types of container gardens and the maintenance of these container gardens will be the primary focus.

Requisite: None.

Type: C

HORT 132

Course Description Guide (continued)

HORT 265 Advanced Floral Design 2-2-3

This is an advanced floral design course with emphasis on artistic qualities, sympathy floral arrangements, bridal designs, and theme development.
Requisite: HORT 165.
Type: C

HORT 275 Grounds Maintenance 4-0-4

This course emphasizes practical applications of grounds management techniques which are approached abstractly in other horticulture classes. When possible, the school facilities will be used as examples, but area parks, cemeteries, and other real estate complexes will also be visited (offering spring of odd-numbered years).
Requisite: HORT 132, HORT 135.
Type: C

HORT 280 Vegetable Gardening 2-0-2

This course is designed to teach students the science and practice of growing, harvesting, handling, storing, processing, and marketing vegetables for the home garden and commercial production (offered spring of odd-numbered years).
Requisite: HORT 102.
Type: C

HORT 287 Supervised Intern Employment 0-10-2

This course allows students to earn academic credit for supervised on-the-job experience at local horticulture businesses. Students will apply skills learned within the horticulture curriculum.
Requisite: Department consent.
Type: C

HORT 288

Industrial Electricity - See Electrical/ Electronics Technology

IML

Industrial Mechanics

IML 101 O.S.H.A. Awareness 0.5-0-0.5

This course familiarizes the student with the industries' regulatory agencies (e.g., Occupational Safety and Health Administration, Environmental Protection Agency, and Department of Transportation).

Requisite: None.

Type: C

IML 105 Industrial Math II 3.5-1-4

This course is divided into three parts: (1) deals with the fundamentals of applied algebra which includes sections on symbols, equations, ratios and proportion, exponents, radicals, and formulas; (2) deals with fundamentals of applied geometry, geometric lines and shapes common in geometry, geometric lines and shapes common in geometric construction; (3) deals with fundamentals of trigonometry right triangles, acute triangles, and oblique triangles, by use of specialized workbooks. Students are exposed to craft related mathematics in their field.

Requisite: Department consent.

Type: C

IML 106 Industrial Piping Fundamentals 3.5-1-4

This course is designed to introduce the non-pipe fitter with an overview of the more important areas of study for industrial pipe fitting. The course is designed to introduce mechanics with a practical knowledge of those skills required to function in industry as a pipe fitter.

Requisite: None.

Type: C

IML 119 Mechanical Systems 3.5-1-4

Designed to help the mechanic recognize types of mechanical power transmission devices and applications, the course includes such practical aspects as troubleshooting, lubrication, parts replacement and alignment procedures. In addition, the importance and practices of precision measurement are covered.

Requisite: None.

Type: C

IML 120 Mechanical Blueprint Reading I 2-1-3

Fundamental training in blueprint interpretation with special emphasis on visualization and interpretation of material presented in this communications medium. Upon completion, the student should be able to relate dimensions to a pictorial representation correctly and accurately, and read and understand drawing convention, symbols, and notations.

Requisite: None.

Type: C

IML 125 Industrial Maintenance Welding 3.5-1-4

This course is designed to introduce the student to the fundamentals of typical arc welding processes commonly found in the Industrial Maintenance field. The course introduces the student to the OAW (oxyacetylene welding), SMAW (stick welding), GTAW (tig), GMAW (mig), and PAC (plasma arc cutting). Also included is the acetylene cutting of mild steel, along with the care and use of welding tools and equipment. Materials covered in this course will include welding machines, equipment, and welding supplies.

Requisite: None.

Type: C

IML 133 Rigging (Industrial) 3.5-1-4

Units on lifting practices, wire and fiber rope, size and weight estimation, and material handling devices are presented to prepare the participant to meet the dangerous and demanding conditions relevant to the loading, unloading, storing and assembly or erection of equipment and structural members.

Requisite: None.

Type: C

Course Description Guide (continued)

IML 250 Stationary Engineering III 4-0-4

This course is designed to expand students' knowledge of the detailed concepts of steam engines, turbines, air-compressors, related theory and application of electricity.

Requisite: None.

Type: C

IML 251 Stationary Engineering IV 4-0-4

This course is designed to expand students' knowledge of the detailed concepts and applications of electricity and refrigeration principles.

Requisite: None.

Type: C

IML 299 Problems in Millwright Variable up to (4)-(8)-(4)

This course is designed to familiarize students with special topics or problems in the industrial millwright field, and to provide them with the knowledge and ability to deal effectively with those topics or problems in relation to their specific requirements.

Requisite: Department consent.

Type: C

Industrial Pipe fitting

IDP 116 Industrial Pipefitter A 3.5-1-4

This course is designed to give the pipe fitter apprentice knowledge and skill in the use of rigging, ladders, scaffolds, safety, traps, pipe layout, alignment and template making.

Requisite: None.

Type: C

IDP 126 Industrial Pipefitter B 3.5-1-4

This course is designed to give the second-semester apprentice knowledge and skills in the use of metrics, steam piping, heat exchangers, pipe supports, flanges, pipe insulation, lubrication and pipe bending.

Requisite: IDP 116.

Type: C

IDP 276 Industrial Hydraulics I 3.5-1-4

This course is designed to give students an understanding of the fundamental principles of hydraulic circuitry. This course will also teach students correct shop procedures and develop mechanical skills required for proper installation and maintenance of components.

Requisite: None.

Type: C

IDP 299 Problems in Pipefitting Variable up to (4)-(8)-(4)

This course will familiarize students with special topics or problems in the industrial pipe fitter field, and to provide them with the knowledge and ability to deal effectively with those topics or problems in relation to their specific requirements.

Requisite: None.

Type: C

Industrial Ironworker - See Construction Ironworker

Journalism

JOUR 101 Introduction to Journalism 3-0-3

A study of the basic principles of news gathering, reporting, interviewing and writing. This course examines the following: the idea of news writing; types of journalistic articles; lead writing techniques; ethical issues in journalism; the application of research methods, including the use of library and online sources; and the types of publications which use journalistic writing. Students write basic stories under real-time constraints.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-MC 919

Course Description Guide (continued)

LABR

Course Description Guide (continued)

LIT 202 World Literature II 3-0-3

A study of Asian, Middle Eastern, Latin American, and European literature in translation from the Enlightenment era to the present. The course places each author and work in its historical context while delineating specific developments in literature.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-H3 907

LIT 205 Lit of Non-Western Countries 3-0-3

Participants in this course will study the current literature of countries outside the Western intellectual tradition. An effort will be made to (1) determine the self-perception of the peoples of these countries; (2) compare and contrast these perceptions with those of the peoples from the Western tradition;

(3) heighten awareness of the influences of geography, economics, politics, religion, and culture in a given society. These efforts will be accomplished through a study of short stories, novels, poems, and films written by the peoples of Africa, Asia, and Latin America. Works will be studied for their social, political, cultural, historical, and moral ideas as well as for their merit as literary compositions. Completion of this course fulfills the third World culture requirement for graduation at SWIC.

Requisite: ENG 101 with a grade of "C" or better.

Type: T, IAI-H3 908N

LIT 213 American Literature I 3-0-3

This is a survey course which introduces students to a wide range of authors from 1492 to 1865, the colonial period to the Civil War. The course will celebrate the rich diversity of American cultural heritage, including the study of the work of Native Americans, African-Americans, women, and Hispanic writers. Students will begin to appreciate the rich cultural heritage of America, and to see comparisons and contrasts between male and female writers, one ethnic group and another, and one social class and another. The metaphor of American Literature I shall be a "mosaic of American writers."

Requisite: ENG 101 with a grade of "C" or better.

Type: T, IAI-H3 914

LIT 214 American Literature II 3-0-3

This is a survey course which introduces students to major works of American writers of prose and poetry, representative of periods from 1865 to the present. While the course may touch on an author's work in terms of style, language, and literary technique, the course is designed for the student who may never take another literature course again, as well as for potential English majors.

LIT 213 is NOT a prerequisite for LIT 214.

Requisite: ENG 101 with a grade of "C" or better.

Type: T, IAI-H3 915

LIT 215 Contemporary Multicultural American Literature 3-0-3

This course introduces students to a variety of minority writers in the literature of the United States, especially the work of African-Americans, Asian Americans, Native Americans, and Latinos/as. Through the study of these writings, students will learn to appreciate both traditional and new forms of literature as minority voices, including those of women, explore the American experience. Students will begin to value the "mosaic" of a culture where each group retains its individual characteristics while adding to the richness of the whole. At the same time, students will examine how people from outside the mainstream culture encounter and struggle with that culture and with a society that all too frequently has excluded them. As a result of this multicultural experience, students will come to understand the importance of remaining open to and interested in their neighbors.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-H3 910D

LIT 216 African American Literature 3-0-3

This course will survey a wide range of African-American literature exploring cultural norms, historical and social context, and the intersectionality of gender, race, and class in various genres using both traditional and non-traditional texts.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-H3 910D

LIT 219 Comics and Graphic Novels 3-0-3

A literature course designed to introduce students to important works in the medium of comics and graphic novels. The focus will be on full-length works with genuine literary and artistic merit. The course will also give students a vocabulary and methodology for critically analyzing and discussing these works.

Requisite: ENG 101 with a grade of "C" or better.

Type: T

LIT 251 British Literature I 3-0-3

This is a survey of British literature from the Middle Ages through the 18th century. The disparate voices that comprise the literature of the British Isles at the time are examined. LIT 252 is NOT a prerequisite for LIT 251.

Requisite: ENG 101 with a grade of "C" or better.

Type: T, IAI-H3 912

LIT 252 British Literature II 3-0-3

This is a survey of British literature from the 19th century to the present. The disparate voices, including colonial and post-colonial voices, that comprise British literature during these centuries are emphasized. LIT 251 is NOT a prerequisite for LIT 252.

Requisite: ENG 101 with a grade of "C" or better.

Type: T, IAI-H3 913

LIT 290 Shakespeare - Comedies & Histories 3-0-3

LIT 290 is a study of Shakespeare's comedies and histories. This study will pursue an understanding of Shakespeare's language, dramatic art, production values and performance, as well as multiple critical perspectives. LIT 291 is NOT a prerequisite for LIT 290.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-H3 905

LIT 291 Shakespeare - Tragedies & Romances 3-0-3

LIT 291 is a study of Shakespeare's tragedies and romances. Emphasis is on reading and understanding Shakespeare's language as well as various aspects of his dramatic art. Issues of staging and performance are explored, both for an Elizabethan-Jacobean audience and for a modern audience.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-H3 905

LIT 293 Children's Literature 3-0-3

Primarily for the prospective early childhood or elementary teacher, the course emphasizes the selection and presentation of literature for preschool and elementary-age children. Students will be acquainted with the wide variety of children's literature books available and the possibilities of children's literature in the learning process. Assignments may include the production of a portfolio of critiques of children's literature books (of up to 100), demonstration of classroom applications using children's literature at different grade levels, development of multimedia and creative instructional materials, participation in literature circles using chapter books, participation in service learning projects, demonstration of storytelling skills, and the creation of a themed text set. (Students may not receive credit for both LIT 293 and ED 293.)

Requisite: ENG 101 with a grade of "C" or better.

Type: T

LIT 299 Topics in Literature Variable up to (4)-0-(4)

Examination of a selected topic or movement through study and discussion of representative works of literature. No topic/problem can be offered more than twice in three years.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T

Management

MGMT 102 Business Mathematics 3-0-3

This course covers the fundamental processes in mathematical computations used in business and consumer finance. Topics covered are percentage, interest, consumer credit, cash and trade discounts, mark up, payroll, property and income taxes, Social Security, and stocks and bonds. Students may receive credit for only one of the following: BUS 102 or MGMT 102.

Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better.

Type: C

MGMT 117 Personal Finance 3-0-3

This course is a study of financial choices and decisions facing the individual. Topics included are budgeting, credit, real estate, insurance, investments, taxes and retirement planning.

Requisite: None.

Type: C

MGMT 201 Entrepreneur Basics 3-0-3

This course reviews a variety of topics for a potential entrepreneur to consider before starting a business. These topics include an assessment of one's suitability for the entrepreneurial life both personally and financially, evaluating the marketability of your product or service, and protecting your idea.

Requisite: None.

Type: C

MGMT 202 Entrepreneur: First Year 1-0-1

This course addresses the start-up business during the first year of operation beginning with the opening of the business. The key topics include: employee-management issues, hiring and training employees, financial management, and market planning for year two and beyond.

Requisite: Concurrent enrollment in or completion of MGMT 201 and MGMT 203.

Type: C

MGMT 203 Business Plan Basics 1-0-1

This course provides an overview of the development of a basic business plan for a start-up operation. Key topics include: competitive analysis, financial projections and start-up costs. Students will develop a business plan as part of the course.

Requisite: Concurrent enrollment in or completion of MGMT 201.

Type: C

MGMT 204 Entrepreneur Case Analysis 3-0-3

This course offers an intensive review of entrepreneur case studies to identify problems faced by entrepreneurs and to develop solutions. Students will conduct case analysis, develop solutions and present their findings in class.

Requisite: SPCH 151, ENG 101; MGMT 219 or (MGMT 201 and MGMT 202 and MGMT 203); sophomore standing.

Type: C

MGMT 206 Individual & Business Income Tax 3-0-3

This course introduces students to federal income taxes as they relate to individuals, businesses, and other entities. Students will study income tax concepts, such as filing status, gross income, ordinary gains and losses, capital gains and losses, exemptions, deductions and expenses, business and rental properties, payroll and estimated tax, tax credits and special taxes, depreciation, partnerships, corporations, trusts, and estates. Filing out tax forms in their entirety for individuals and different types of business entities will be covered as well. In addition, students will learn how to find answers to tax questions when unique situations occur. Note: Students may receive credit

Course Description Guide (continued)

MGMT 270 Business Planning 3-0-3

This course emphasizes the integration of previous coursework to provide a student with knowledge and understanding of strategic management processes, techniques, concepts and skills. The course takes a problem-solving approach to understanding industry dynamics. It emphasizes the connection between the functional areas of the firm and the external environment to develop managerial strategies. Students will demonstrate mastery of course objectives by developing a comprehensive business plan for a small company and by working effectively in a team-oriented environment.
Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements; MGMT 204, MGMT 241; Sophomore Standing.
Type: C

MGMT 280 Introduction to Logistics 3-0-3

This course covers the analysis of the activities and decisions necessary to plan, implement and control private and public physical distribution and transportation channel systems. Emphasis is placed on physical, human, informational, and organizational system components.
Requisite: Reading assessment score at ENG 101 level or completion of ENG 92 level with a grade of "C" or better.
Type: C
(pending ICCB approval)

MGMT 281 Logistics Models & Systems Analysis 3-0-3

This course will present fundamental quantitative modeling tools that address the design, and control of operations in the supply chains. Topics covered will include modeling design concepts that create transportation shaping, network flow, computational and quantitative measurements that facilitate the procurement process, which maximizes the firm's supply chain.
Requisite: MGMT 280 with a grade of "C" or better.
Type: C
(pending ICCB approval)

MGMT 282 Supply Chain Management 3-0-3

This course covers basic principles of supply chain management and provides techniques used to analyze logistics systems. Areas examined include inventory management, warehousing, distribution, and strategic facility location as it relates to supply chain efficiencies. Asset productivity strategies are studied by investigating both inbound materials management/production processes and outbound physical distribution procedures. Emphasis on strategic coordination of all supply members is reinforced.
Requisite: MGMT 280 with a grade of "C" or better.
Type: C
(pending ICCB approval)

MGMT 283 Global Supply Chain Management 3-0-3

Global supply chain management involves planning how the entire supply chain will function as an integrated whole system. Special emphasis on generating the optimum level of customer service while being cost efficient will be discussed. Analysis of supply chain processes to include sourcing, distribution, transportation, warehousing, sales and customer service will be examined to promote value. The use of logistics software as a way to improve the functioning of supply chains, while assessing risk will be emphasized.
Requisite: MGMT 280 with a grade of "C" or better.
Type: C
(pending ICCB approval)

MGMT 284 Export/Import Management 3-0-3

This course covers the conceptual framework for the conduct of international trade, and focuses on exporting/importing as a basic foreign market entry strategy. It provides the student the tools for assessing and analyzing the export/import potential of products and services as well as the screening and selection of foreign target markets. It presents the interplay of dynamic forces influencing the global business environment: economic and socio-cultural, physical and environmental, political and legal, competitive and distributive, and how they impact on formulating export marketing strategies. It comprehensively covers the export/import marketing mix and provides working knowledge of the procedures, documentation, as well as the conduct of business according to generally accepted International trade and banking practices.
Requisite: MGMT 280 with a grade of "C" or better.
Type: C
(pending ICCB approval)

Marketing

MKT 126 Introduction to Marketing 3-0-3

This course introduces students to basic marketing principles with particular emphasis on environmental factors that affect a business, target market selection, and the four primary elements of the marketing mix: product, price, distribution and promotion.
Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.
Type: T

MKT 128 Marketing & Social Media 1-0-1

This course reviews how social media is used by a variety of organizations to market products and services. It also addresses how individuals use social media tools in a similar fashion to market themselves. The course will focus on the most widely used social media sites and provide limited instruction in the use of one or two of the sites. A review of basic marketing principles is included. Students will be required to create accounts on several social media websites. Note: Students must be competent computer and internet users.
Requisite: None.
Type: C

MKT 226 eMarketing 3-0-3

This course provides an overview of the ways marketers use the internet to connect with customers to promote and sell products and services. The course examines email marketing, advertising, search marketing, social media and mobile marketing. The course will address the need to integrate online and offline marketing efforts. Search engine optimization and analytics are introduced as well. Students will be required to register for several social media websites. Note: MKT 126 recommended; students must be competent computer and internet users.
Requisite: Reading placement at ENG 101 or completion of ENG 92.
Type: C

MKT 227 SEO & Web Analytics for Marketing 3-0-3

This course introduces students to search engine optimization techniques used to help drive traffic to a webpage. Commonly used web analytics tools are reviewed to demonstrate how to assess the effectiveness of basic online marketing efforts. Google Analytics will be featured. Note: Students must be competent computer and internet users.
Requisite: None.
Type: C

MKT 228 Social Media Tools 3-0-3

This course provides instruction for using a variety of social media tools. It includes a discussion of how social media is used to market products and services. Students will create accounts on a number of social networking sites and develop basic skills in their use from a personal and/or business perspective. Discussion topics will include: best practices in the use of social media; trends in social media use, and ethical issues.
Requisite: None.
Type: C

MKT

Course Description Guide (continued)

MKT 242 Marketing Communications 3-0-3

This course focuses on the promotion element of the marketing mix. Advertising, sales promotion, public relations, social network marketing and direct mail are addressed. The course highlights the importance of an integrated approach to promotion. Small business applications are a featured part of the course.
Requisite: MKT 126.
Type: T, IAI-MC 912

MKT 243 Basic Selling Techniques 3-0-3

This course introduces the student to fundamental sales skills. Students will examine and apply common selling concepts: prospecting, features/benefits, relationship selling, objections, closing the sale and follow up on the sale.
Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.
Type: C

MKT 265 Marketing Internship I Variable up to 0-(15)-(3)

This course is a supervised work-experience program requiring an average of 15 hours per week in a marketing focused position. If the student is already employed in a marketing position, the job may qualify for the internship but is subject to approval by the instructor. The instructor and the college's internship coordinator also provide assistance to students in finding an appropriate internship position.
Requisite: Sophomore standing; MKT 126; six additional MKT semester credits; minimum GPA of 3.0 in MKT coursework.
Type: C

Mass Communication

MCOM 201 Introduction to Mass Communication 3-0-3

A survey of mass media and its effect on American society. The course will explore the major forms of the mass media, including the internet and social media, newspapers, magazines, radio, television, film, advertising, and public relations. Emphasis will be placed on the historical development and the major functions, elements, and theories of mass communication.
Requisite: Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.
Type: T, IAI-MC 911

MCOM 220 Voiceover: Vocal Production 3-0-3

A performance and critique based course introducing the student to the art

Course Description Guide (continued)

MT 102 Body Structure & Function 4-0-4

Student will develop a basic understanding of human anatomy and physiology as it relates to mastering the theory and practice of therapeutic massage. The course covers basic structure and function of the integumentary, skeletal, muscular, and nervous systems, as well as common pathologies affecting these systems. Note: To obtain department consent, contact the Body Therapy Center & School of Massage at 618-239-6400.

Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better; Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Department consent.

Type: C

MT 160 Movement and Massage 4-2-5

During this course students will learn how and when to incorporate various type of stretching, range of motion, and/or thermal agents to enhance the outcomes of a therapeutic massage. Students will also learn basic chair massage techniques and demonstrate chair massage routines appropriate for the work place or with the general public. Note: To obtain department consent, contact the Body Therapy Center & School of Massage at 618-239-6400.

Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better; Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Department consent.

Type: C

MT 190 Clinical Practicum I 0-2-1

Students will be providing massage therapy services to clients in the clinical setting under close supervision of an instructor. Students will practice setting appointments, consultations and performing basic massage techniques on the client. Students will have an opportunity to enhance documentation, communication and time management skills. Note: To obtain department consent, contact the Body Therapy Center & School of Massage at 618-239-6400.

Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better; Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Department consent.

Type: C

MT 195 Massage Techniques 1-1-1.5

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Course Description Guide (continued)

MT 214 NMT Cervical Spine & Cranium 1-1-1.5

This course is one of the NMT series courses leading to certification in neuromuscular therapy. Students will review the anatomy and dysfunctions of the head, tempo-mandibular joint, cervical spine while learning the NMT principles and protocols of treatment of the cervical spine and cranium. Requisite: MT 210 with a grade "C" or better. Department consent. Type: C

MT 220 Pathology for the Massage Therapist 2-0-2

This course is designed to provide the student with an overview of basic pathologic concepts and processes with a clinical emphasis. Components of each disease covered include: etiology, incidence, risk factors, manifestations, and special implications for the MT. Concepts on health and aging pertaining to the various systems are included to achieve a clinical awareness of life span changes. Requisite: MT 201, MT 202 each with a grade of "C" or better. Type: C

MT 230 Stretching: Neck & Shoulders 1-1-1.5

During this course students will learn how to apply stretches safely and effectively to increase the flexibility and range of motion of the neck and shoulders, in addition to reducing the potential of injury to the region. The physiology of stretching and types of stretching techniques will be examined. A self-care stretching program will be developed during this course. Note: Must be a graduate of accredited physical therapist or physical therapist assistant program or licensed PT/PTA or MT. Requisite: Department consent. Type: C

MT 240 Stretching: Hips & Back 1-1-1.5

During this course students will learn how to apply stretches safely and effectively to increase the flexibility and range of motion of the hips, thigh and back, in addition to reducing the potential of injury to the region. The physiology of stretching and types of stretching techniques will be examined. A self-care stretching program will be developed during this course using ropes and stabilizing belts. Note: Must be a graduate of accredited physical therapist or physical therapist assistant program or licensed PT/PTA or MT. Requisite: Department consent. Type: C

MT 250 Stretching: Hands & Feet 1-1-1.5

During this course students will learn how to apply stretches safely and effectively to increase the flexibility and range of motion of the forearms and hands and lower leg and feet, in addition to reducing the potential of injury to the region. The physiology of stretching and types of stretching techniques will be examined. A self-care stretching program will be developed during this course using ropes and stabilizing belts. Must be a graduate of accredited physical therapist or physical therapist assistant program or licensed PT/PTA or MT. Requisite: Department consent. Type: C

MT 270 Clinical Practicum II 0-2-1

Students will continue to provide massage therapy services to clients in the clinical setting under close supervision of an instructor. Students will continue to practice setting appointments, consultations and performing basic as well as advanced/complementary massage techniques on the client. Students will continue to enhance documentation, communication and time management skills. Requisite: MT101, MT 160, MT 190 each with a grade of "C" or better. Type: C

MT 280 Clinical Practicum III 0-2-1

This is the final clinical practicum the students conduct in order to meet the clinical hours required under Illinois licensure. Students will continue to provide massage services to clients in the clinical setting under close supervision of an instructor. Students will set appointments, begin to build clientele, perform client intakes and perform basic as well as advanced/

Requisite: 9 101, M20201, M20301, M27190 each with a grade of "C" or better. Type: C

Course Description Guide (continued)

MATH 96 Elementary Geometry for College Students 4-0-4

This is an elementary geometry course for students who have not successfully completed one year of high school geometry. This course covers such topics as line and angle relationships, parallel lines, similar and congruent triangles, two-column deductive proofs, indirect proofs, properties of quadrilaterals and circles, areas, and volumes.

Note: Students that complete high school geometry need to provide Enrollment Services with an official transcript showing proof of two semesters with passing grades at an HLC accredited school. Students may also demonstrate proficiency by testing with the Math department chair.

Requisite: Math placement above MATH 94 or completion of MATH 94 with a grade of "C" or better.

Type: P

MATH 97 Intermediate Algebra 4-0-4

This course consists of the following topics: real numbers, linear equations and inequalities, graphs of lines and linear inequalities, functions, systems of linear equations, exponents and polynomials, factoring, rational expressions, roots and radicals, quadratic equations, and nonlinear inequalities. Use of a scientific calculator, as recommended by the instructor, is required for this course. This course is designed to prepare students for MATH 105, MATH 107, MATH 111, or MATH 112.

Requisite: Math placement above MATH 94 or completion of MATH 94 with a grade of "C" or better; Reading placement above ENG 91 or completion of ENG 91.

Type: P

MATH 105 Mathematics for Elementary Teachers I

Course Description Guide (continued)

MATH 292 Linear Algebra **3-0-3**

Topics include vector methods, vector spaces, equivalent matrices, systems of linear equations, linear transformations and matrices, and determinants with applications. Use of a graphing calculator, as recommended by the instructor, is required for this course.

Requisite: MATH 204 with a grade of "C" or better.

Type: T, IAI-MTH 911

MATH 299 Special Topics in Mathematics Variable up to (4)-0-(4)

This course will cover special topics or problems in mathematics and provide students with the knowledge and ability to deal with those topics or problems in relation to their special requirements.

Requisite: None.

Type: T

Medical Assistant

MA 130 Medical O

Course Description Guide (continued)

MA 192 Administrative Externship 0.5-6-2

The student will practice previously learned skills in a supervised administrative experience at a physician's office. The administrative practicum will be under the direction of a physician and other medical staff assistant.

Requisite: Department consent.

Type: C

MA 195 Office Practicum 2-12.5-4.5

The student will practice previously learned skills in a supervised clinical experience at a physician's office. This clinical practicum will be under the direction of a physician and a medical assistant. NOTE: Student needs to have completed 34.5 units/credits of the MA certificate with a grade of "C" or better in each to enroll in this course.

Requisite: Department consent.

Type: C

MA 199 Medical Assistant Certification Review 1.5-0-1.5

This course prepares the Medical Assistant program students and individuals who are employed as Medical Assistants for the CMA exam. The class includes a review of administrative and clinical procedures. Mock exams are part of the review and preparation.

Requisite: Department consent.

Type: C

MA 236 CPT and ICD-9-CM Coding 1.5-0-1.5

This course provides the student with an in-depth knowledge of the Evaluation and Management codes and the medical record documentation that is required when using these codes.

Requisite: Department consent.

Type: C

MA 237 CPT Coding For Medicine and Surgery 1.5-0-1.5

This course provides the student with an in-depth knowledge of medical specialty, surgery, and anesthesia coding. The student will practice coding to achieve accuracy in CPT & ICD-9-CM coding procedures for the

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Type: C

Course Description Guide (continued)

MLT 240 Immunohematology 3-3-4

A study of the blood groups of people and their significance in blood-banking and transfusion services. Included are the inheritance and properties of blood group antigens and their corresponding antibodies, methods of detection and identification, hemolytic disease processes, and the collection and processing of blood and blood components to ensure safe transfusion. Blood group immunology, record keeping, and quality control are stressed. (Eight-week module, six hours lecture, six hours lab.) Spring

Requisite: MLT 150 with a grade of "C" or better.

Type: C

MLT 242 Phlebotomy Clinical 0-12-3

This course provides a clinical opportunity to apply skills and knowledge of anatomy, medical terminology, blood collection methods and related laboratory procedures. It consists of 120 hours at a clinical site. Note: Students must contact the MLT program coordinator for permission to enroll in this course and complete MLT 100 with a grade of "C" or better.

Requisite: Department consent

Type: C

MLT 245 Clinical Practice I 0-24-3

Supervised clinical experience. Students rotate through the phlebotomy, hematology, serology, chemistry, coagulation and urinalysis departments of an affiliate hospital. (40 hours per week for nine weeks.)

Requisite: MLT 150 with a grade of "C" or better.

Type: C

MLT 250 Coagulation 1-2-2

This course discusses the four major systems of hemostasis, which includes the blood vessels, the platelets, the coagulation factors, and the fibrinolytic system.

This course includes the test methodologies and disease states associated with each of the four major systems. (Eight-week module, two hours lecture, four hours lab weekly.) Spring

Requisite: MLT 150 with a grade of "C" or better.

Type: C

MLT 260 Clinical Microscopy 2-2-3

A study of the anatomy and physiology of the renal system and its role in maintaining homeostasis. Includes the physical, chemical and microscopic examination of urine and urinary sediment. Tests applied to other body fluids (e.g. synovial fluid, cerebrospinal fluid, semen, and serous fluids) are also studied. (Eight-week module, four hours lecture, four hours lab.) Fall

Requisite: MLT 150 with a grade of "C" or better.

Type: C

MLT 270 Clinical Chemistry 3-3-4

A study of the diagnostic chemistry tests performed in the average clinical laboratory. Includes normal and abnormal physiology, principles of the reactions and methods used, interpretation of test results, and the sources of error in test performance. Basic instrumentation, reagent preparation, laboratory mathematics and quality control are stressed. (Eight-week module, six hours lecture, six hours lab.) Spring

Requisite: MLT 150 with a grade of "C" or better.

Course Description Guide (continued)

MUS 105 Music Theory I

4-0-4

is course provides an introduction to fundamental melodic and harmonic principles of common practice theory. Students will learn to write, hear, play, and analyze music of all periods and styles. is course will concentrate on the development of written skills (four-part writing and analysis), aural skills

Course Description Guide (continued)

MUS 150 Recording Engineer Musicianship I 3-0-3

A fundamental course in music for recording arts majors. A study of the elements of musical composition including melody, rhythm, chords, chord progression, modality, and music notation/score reading. This highly specialized and accelerated course is designed to meet industry demands in the recording arts, and should only be considered by those with a strong musical background. Offered in fall semester only.

Requisite: MUS 104 with a grade of "C" or better or satisfactory score on the fundamental theory skills test.

Type: T

MUS 151 Recording Engineer Musicianship II 3-0-3

Continues the study of music presented in MUS 150 and includes the application of melody, rhythm, chords, chord progression, modality, and music notation/score reading. This highly specialized and accelerated course is designed to meet industry demands in the recording arts, and should only be considered by those with a strong musical background. Offered in spring semester only.

Requisite: MUS 150 with a grade of "C" or better.

Type: T

MUS 152 History of the Recording Industry 3-0-3

Traces the development and growth of recording technology, the role of recording technology in the music business, the growth and development of major record labels, and a survey of the significant individuals who engineered the recordings.

Requisite: Reading placement above ENG 91 or completion of ENG 91.

Type: T

MUS 154 Survey of Music Computer Technology 3-0-3

An examination of proprietary music software/hardware and its application in current use within the recording industry. Included is the study and implementation of MIDI and digital sampling technology in the audio recording industry. Offered in fall semester only.

Requisite: Concurrent enrollment in or completion of MUS 111.

Type: T

MUS 155 Survey of Music Computer Technology II 3-0-3

A continuation of MUS 154, this course is an examination of sampling and sound design software programs and how they integrate into the recording studio. A further analysis of MIDI functionality and sequencing using proprietary software is also included. Offered in spring semester only.

Requisite: MUS 154 with a grade of "C" or better.

Type: T

MUS 159, 160, 259, 260 Concert Band I, II, III, IV 0-3-1

The Concert Band is an ensemble dedicated to the study and performance of a wide variety of musical literature. Repertoire represents a variety of musical styles from classic to contemporary. The ensemble is open to all woodwind, brass and percussion students.

Requisite: Department consent.

Type: T

MUS 161, 162, 261, 262 College Choir I, II, III, IV 0-3-1

The Concert Band is an ensemble dedicated to the study and performance of a wide variety of musical literature. Repertoire represents a variety of musical styles from the music of the baroque, classical, romantic, and 20th century to various jazz, rock, and popular styles. The ensemble is open to all woodwind, brass and percussion students.

Requisite: None.

Type: T

MUS 163, 164, 263, 264 Jazz Band I, II, III, IV 0-3-1

The Jazz Band rehearses and performs literature from the contemporary big band media. Instrumentation consists of alto, tenor and baritone saxophones, trumpets, trombones, piano, guitar, drums, and bass.

Requisite: Department consent.

Type: T

MUS 165, 166, 265, 266 Instrumental Ensemble I, II, III, IV 0-3-1

This is an instrumental performing ensemble dedicated to the study and performance of a wide variety of musical literature. Depending on the ensemble chosen, the literature will represent the various styles found within that idiom, i.e., music of the baroque, classical, romantic, and 20th century, as well as various jazz, rock, and popular styles.

Requisite: Department consent.

Type: T

MUS 167, 168, 267, 268 Chamber Singers I, II, III, IV 0-3-1

The Chamber Singers are selected from the College Choir on the basis of musicianship, sight reading ability, and blend factors. Each part will be balanced and membership will be limited to a suitable chamber size. The repertoire will vary from early and contemporary madrigals to pop music. The group will perform for community organizations and in concert.

Requisite: Department consent.

Type: T

MUS 175, 176, 277, 278 Guitar Ensemble I, II, III, IV 0-3-1

The guitar ensemble is a performing ensemble that rehearses and performs a wide variety of guitar ensemble literature, ranging from classical to jazz to popular music. Students will learn different rehearsal and practice techniques related to preparing a musical performance, with the goal of presenting at least one concert per semester. Students will learn many musical skills such as solo guitar, group playing, and basic improvisation.

Requisite: Department consent.

Type: T

MUS 177, 178, 277, 278 Jazz Improvisation I, II, III, IV 0-2-1

This course is designed to foster a greater appreciation and understanding of jazz improvisation. Study will include functionseisorm MI2-1f 91rm MI2-1f 91r4.6 iasplsrM Mde

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Type: T

Course Description Guide (continued)

MUS 213 Class Instruction in Piano III 2-0-2

This course is designed for the music major or minor or any student who is interested in continuing to improve piano skills.

Requisite: MUS 112 with a grade of "C" or better.

Type: T

MUS 214 Class Instruction in Piano IV 2-0-2

This course is designed for the music major or minor or any student who is interested in improving piano skills.

Requisite: MUS 213 with a grade of "C" or better.

Type: T

Music-Private Applied Music for the Music Major or Minor

Private music lessons are offered to students pursuing a major or minor in music in the following instruments: piano; voice; trumpet; French horn; trombone; tuba/euphonium; flute; clarinet; oboe; bassoon; saxophone; violin; viola; cello; double bass; guitar; bass guitar; percussion (drum set, snare drum, timpani, mallets, Latin percussion). These courses may be repeated up to a maximum of eight elective semester credits. It is expected that students will achieve satisfactory progress in order to continue to the next level of credit.

Prerequisite: Successful audition or jury examination.

NOTE: Students enrolling in private applied courses must contact the Program Coordinator Andrew Jensen, D.M.A., at 618-235-2700, ext. 5032 or andrew.jensen@swic.edu, for instructions and instructor assignment.

MUS 219 Private Music Major or Minor Applied Piano 2-0-2

MUS 220 Private Music Major or Minor Applied Voice 2-0-2

MUS 221 Private Music Major or Minor Applied Trumpet 2-0-2

MUS 222 Private Music Major or Minor Applied French Horn 2-0-2

MUS 223 Private Music Major or Minor Applied Trombone 2-0-2

MUS 224 Private Music Major or Minor Applied Tuba/Euphonium 2-0-2

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Course Description Guide (continued)

NE 108 Interference with Basic Human Needs I 2-6-4

Uses the nursing process in providing care for patients with selected common nursing problems. It introduces the student to the fundamental processes of illness. Emphasis is on problems that interfere with human needs for sexuality, comfort, rest and sleep. Learning situations are provided in the classroom setting, the autotutorial laboratory, college laboratory simulated sessions and in the reality of the client setting. Clinical experience is primarily in the hospital setting. Eight-week module. (Four hours classroom, 12 hours college

Course Description Guide (continued)

OAT 146 Computer Applications for the Office 3-0-3

A comprehensive study of the use of computer applications and technologies for office personnel will be presented. Class topics include computer hardware, software, and operating systems as they relate to office personnel and hands-on experience using word processing, spreadsheet, and presentation software.

Requisite: None.

Type: C

OAT 155 Software Computations 3-0-3

This course covers basic fundamental business mathematics concepts. The student will solve problems dealing with simple and compound interest, discounts, depreciation, payroll, merchandising, and installment buying. Microcomputers and appropriate calculating software will be used to complete all in-class applications. NOTE: Knowledge of business math (MGMT 102) recommended.

Requisite: None.

Type: C

OAT 156 Microsoft Office Suite I 3-0-3

In this course students will receive instruction and hands-on training on an office suite software package. Instruction will be on the various applications and how they are being integrated and used in today's office environment to increase productivity and efficiency. Topics include word processing, spreadsheet, database applications, and presentation software, as well as integration of the suite. NOTE: Knowledge of document processing and Windows recommended.

Requisite: None.

Type: C

OAT 164 Introduction to Keyboarding 1-0-1

This course offers basic touch keyboarding instruction for the electronic keyboard. Students needing to operate a computer keyboard can achieve basic skills which will allow them to input information into a computer efficiently using proper techniques. In addition, the student gains familiarization with symbol keys and the 10-key numeric keypad. Students may receive credit for only one of the following: OAT 164 or OAT 170. NOTE: Knowledge of Windows and the internet recommended.

Requisite: None.

Type: C

OAT 165 Presentation Graphics 2-0-2

This course is designed to teach students to use a presentation graphics package. Comprehensive instruction in the major features of the application will be covered. Topics include creating and editing slides, adding animation to slides, linking and embedding, and customizing a slide show. NOTE: Keyboarding skill and Windows knowledge recommended.

Requisite: None.

Type: C

OAT 169 Automated Application/Transcription 3-0-3

This course is designed to teach students to use a presentation graphics package. Comprehensive instruction in the major features of the application will be covered. Topics include creating and editing slides, adding animation to slides, linking and embedding, and customizing a slide show. NOTE: Keyboarding skill and Windows knowledge recommended.

Requisite: None.

Type: C

Course Description Guide (continued)

OAT 230 Advanc

Course Description Guide (continued)

PARL 225 Legal Research and Writing II 3-0-3

Students will continue to develop their skills and working knowledge of research materials, tools, and strategies. There will be instruction on computer aided research. They will use the results of their research to complete several additional writing projects, including memoranda of law and an appellate brief.

Requisite: PARL 220.

Type: C

PARL 230 Civil Procedure 3-0-3

Students will examine the lawyers' and paralegals' roles in handling civil cases. The strategy and mechanics of civil procedure will be explored in depth with special emphasis on Illinois law and federal procedure. Students may be required to prepare various writing projects.

Requisite: PARL 120, PARL 220, PARL 240.

Type: C

PARL 235 E-Discovery/E-Investigation 2-0-2

This course will provide students with an overview and understanding of e-discovery issues, terms and technologies. Students will also gain an understanding of the basics of e-investigation by using social networking sites and internet search engines to discover admissible evidence about parties and witnesses in lawsuits.

Requisite: PARL 230.

Type: C

PARL 240 Torts 3-0-3

Students will gain an understanding of the basics of tort law and the causes of action for intentional torts, negligence and strict liability. Special topics covered will also be products liability, professional malpractice, workers compensation and other current tort topics. Students will be required to complete several writing assignments including drafting a complaint that contains all of the elements of a tort in a cause of action. Emphasis will be placed on the application of theory to fact patterns so that students can identify a tort cause of action.

Requisite: PARL 120.

Type: C

PARL 250 Litigation Support for Paralegals 3-0-3

Students will become acquainted with the litigation process from the client interview to preparation of documents used to institute and respond to lawsuits, discovery procedures, preparation for trial, and the trial itself. Students will learn the basic rules and laws which govern the lawsuit. Rudiments of the appellate process will be introduced to the student. The student will be required to complete several writing projects.

Requisite: PARL 120, PARL 220, PARL 230, PARL 240.

Type: C

PARL 260 Family Law 3-0-3

Students will review the law as it relates to different aspects of domestic relations such as marriage, divorce and separation, maintenance, child custody and support, illegitimacy, adoption, and prenuptial agreements. Special emphasis will be placed on Illinois law. Students will be required to complete writing projects.

Requisite: None.

Type: C

PARL 265 Wills, Probate, and Estate Planning 3-0-3

Students will study the most common forms of wills and trusts and the fundamental principles of law applicable to each. This course will place emphasis on the administration of estates under the Illinois Probate Act. Students will be required to complete several writing projects.

Requisite: None.

Type: C

PARL 270 Criminal Law 3-0-3

Causes of action of criminal liability on the misdemeanor and felony level will be studied. Some constitutional law issues raised by a criminal practice will also be addressed. Students will study the procedures of the criminal system, from arrest through post-trial motions, sentencing, and appeal. Students will be required to complete several writing projects.

Requisite: None.

Type: C

PARL 274 Law Office Computer Applications 3-0-3

This course covers legal terminology, basic procedures, and document production used in a law office through hands-on instruction in software programs commonly used in law offices. Students will prepare legal documents found in a variety of legal areas including real estate, corporate law, bankruptcy, estate planning, litigation, family law, and other areas of law found in a general practice. Students may receive credit for only one of the following: PARL 274 or OAT 274.

Requisite: OAT 180.

Type: C

PARL 275 Bankruptcy/Creditors' Rights 3-0-3

Students will become familiar with the bankruptcy system and the United States Bankruptcy Code. Students will gain an understanding and working knowledge of the different types of bankruptcies and the specific steps taken to complete the bankruptcy process, including completion of the documents required to conduct these processes. Creditors' rights will also be explored. The student will be required to complete several writing projects.

Requisite: None.

Type: C

PARL 280 Copyright/Trademark/Patent Law 3-0-3

This course will provide students with an overview and understanding of the various intellectual property disciplines, including copyright, trade secret, trademark, and patent law. The course will emphasize both the theoretical and practical application of these areas of law. Students will be required to complete writing projects. Students may receive credit for only one of the following: BUS 280 or PARL 280.

Requisite: None.

Type: C

PARL 290 Paralegal Field Project 0-15-3

Supervised on-the-job training and experience in public or private offices typically employing paralegals. Students must work at least 225 hours to receive classroom credit for the course. The course provides the necessary articulation between academic theory and the world of work and helps the student make a supervised transition to the career of his/her choice.

Requisite: Department consent.

Type: C

PARL 299 Special Topics in Paralegal Studies Variable up to (4)-0-(4)

Presents projects and topics in paralegal studies by simulated experiences, observations, discussions, conferences, readings and individual research. Projects and topics will vary to meet individual interest and needs. NOTE: Requisite varies by topic.

Requisite: None.

Type: C

PDA - See Construction Painting & Decorating

Philosophy

PHIL 150 Introduction to Philosophy 3-0-3

Historically, philosophy has been many things. In the context of this course, it is largely a point of view, a way of thinking. This way of thinking approaches life by reflecting upon the ideas that we use to make sense of life. Further, since we have come to see this way of thinking in conjunction with a tradition of literature, and a tradition of concerns. Thus, the aim of an Introduction to Philosophy is to get students to first take up this point of view, and second to see something of the tradition of its literature and concerns. Students take up the point of view by reading, or reading about, specific philosophical works or concerns.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-H4 900

Course Description Guide (continued)

PHIL 151 Introductory Logic 3-0-3
Introductory Logic is a reflection on thought, discourse, and argumentation. It accomplishes this through the study of language, specifically by an examination of sentence structures, inductive and deductive logical systems, argument forms, and formal and informal fallacies. The course provides students the opportunity to apply the methods of Logic to everyday discourse.
Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.
Type: T, IAI-H4 906

PHIL 152 Ethics 3-0-3
As Aristotle says, the purpose of studying Ethics is practical. That is, it helps one aim the arrow of human action with more precision, making it more likely that one will hit the target and live well. In this regard, we look at issues connected to human relations and an ethical life. This includes an examination of the idea of the good life, of human nature, of race and ethnicity, of standards of value and their justifications, and of particular moral problems

Course Description Guide (continued)

PTA 101 Physical Therapy Science & Skills 4-0-4

This course introduces students to the science and skills of physical therapy. Anatomical muscle and joint structure and function first introduced in Biology are expanded upon to provide the foundation for physical therapy related treatment. Students are introduced to physical therapy equipment and supplies.

Course Description Guide (continued)

PTA 165 Pathology I 1-0-1

This course begins with an analysis of the factors which affect health followed by review of pathologic conditions and interventions to various body systems. It is the first of a two part course sequence in pathology which will include: etiology, incidence, risk factors, manifestations, general medical diagnosis, treatment options, and special implications for the PTA. Topics covered in this course are intended to help prepare the PTA student for his/her first summer clinical experience and includes pathologies related to the metabolic, gastrointestinal, hepatic, biliary, endocrine, renal, urologic, genital and reproductive systems, as well as management/prevention of infectious diseases, autoimmune disorders and PT interventions utilized in the acute care setting. Appropriate tools and functional measures will be discussed to assist students in reporting patient status.

Requisite: ENG 101, BIOL 105, PTA 100, PTA 101, PTA 102 each with a grade of "C" or better.

Type: C

PTA 170 Clinical Experience I 0.5-10-3

This course allows students to enter the clinical environment under the supervision of a physical therapist or physical therapist assistant clinical instructor. Opportunities are available for students to apply skills previously simulated during didactic instruction, as well as observe and assist with other physical therapy interventions as deemed appropriate by the clinical instructor. Students will continue to develop skills in monitoring and modifying patient interventions within the PT Plan of Care while considering the patient perspective and environment, and focusing on time efficiency and communication with members of the interprofessional health care team. A comprehensive, computerized exam of all knowledge acquired in the first year of the program must be passed prior to entering the clinic. Students meet in the classroom prior to clinical experience to perform a self-assessment of abilities, develop goals/objectives for Clinical Experience I, and discuss appropriate clinical behaviors, evidence based practice, legal and ethical dilemmas, fiscal management, conflict resolution, and quality assurance.

Students return to the classroom at the conclusion of Clinical Experience I to reflect on and share their experiences while comparing and contrasting the assessments, interventions and documentation practices encountered in the various health care settings. A service activity and reflection paper are also completed in order to promote future volunteerism and patient advocacy.

Requisite: HRO 100, PSYC 151, SPCH 151, PTA 150, PTA 151, PTA 160, PTA 161, PTA 165 each with a grade of "C" or better.

Type: C

PTA 200 Theory of Physical Agents II 3-0-3

This course is a continuation of instruction involving physical agents previously taught in PTA 150 Theory of Physical Agents I. Electrotherapeutic modalities are introduced to modulate or decrease pain, reduce or eliminate edema, improve circulation, increase the rate of healing of open wounds and soft tissue, enhance connective tissue extensibility, decrease restrictions associated with musculoskeletal injury, increase joint mobility, decrease unwanted muscular activity, enhance neuromuscular performance, assist muscle force generation and contraction, and provide orthotic substitution during functional activities. Stages of wound healing, assessment of patients with open wounds, and clinical management are addressed. This course prepares students to utilize electrotherapeutic modalities concurrently with previously learned physical agents, when appropriate and indicated for pain, edema, tissue repair, medication delivery, impaired joint mobility, muscle disuse atrophy and orthotic substitution. Use of physical agents and electrotherapeutic modalities are discussed as an adjunct to physical therapy intervention. Appropriate tools and functional measures are discussed to assist students in reporting patient status. Classroom discussions involve theoretical and scientific background, physiological responses, indications, contraindications, precautions, clinical applications, parameter selection, documentation, discussion of current research and contemporary practice, clinical decision making, integration and sequencing within the PT Plan of Care, and reimbursement. The role of the physical therapist assistant in

Requisite: PTA 150, PTA 160, PTA 161, PTA 165 each with a grade of "C" or better.

Type: C

Course Description Guide (continued)

PTA 211 Rehabilitation Techniques 3-0-3

This course allows students to apply the physical therapy rehabilitative techniques discussed in PTA 210 Therapeutic Exercise and Rehabilitation to assist patients in returning to a state of optimal function. This course

Course Description Guide (continued)

PHYS 204 Physics-Mechanics **3-2-4**

For students in engineering, physics, chemistry, and mathematics. This calculus-based course covers kinematics, Newton's laws, conservation laws (energy, momentum, and angular momentum), and gravity. Particles, systems

Course Description Guide (continued)

PLBR 214 IDPH Plbr Mock Testing 3.5-1-4

This course is designed to prepare the apprentice and/or journeyman for the Illinois Department of Public Health certification testing in welding and codes for pipe fitters/plumbers.

Requisite: None.

Type: C

PLBR 215 Pumps & Steam Systems 3.5-1-4

This course is designed to furnish the pipe fitters/plumbers journeymen and apprentices with the knowledge and essential skills that are used with various pumps and steam systems applicable in the piping industry.

Requisite: None.

Type: C

PLBR 299 Special Topics in Piping/ Plumbing Variable up to (4)-(8)-(4)

This course is designed to familiarize students with special topics or problems in the pipe fitting/plumbers' field, to provide them with knowledge and ability to deal effectively with those topics or problems in relation to their specific requirements.

Requisite: None.

Type: C

Political Science

POLS 150 Intro to American Government 3-0-3

A survey course of the American federal system of government. Included is a historical review of the founding of the United States and its political beginning. Emphasis is on the structure and function of the executive, legislative and judicial branches of the federal government with an overview of state and local government.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-S5 900

POLS

Precision Machining Technology

PMT 100 Precision Machining Intro 0.5-0-0.5

This course prepares students to begin a successful college career in the Precision Machining Technology program. Students will learn and understand all safety aspects for all the precision machining machinery. The course also teaches the students all the information and technology that is needed for the entire PMT program which includes work ethic expectations, clothing requirements, machinist tools, measurements, and computer uses. An understanding of the PMT program requirements and expectations will be presented in this course.

Requisite: None.

Type: C

PMT 101 Intro to the Machine Trades 3.5-1-4

Introduces hand tools, measuring tools, and layout procedures, then transitions into basic machine principals including safety, operation, and part set-ups for primary and secondary machining

Requisite: Concurrent enrollment in or completion of PMT 100.

Type: C

PMT 102 Intermediate Machining 3.5-1-4

This course continues with instruction in four machine operations (drilling, turning, milling, grinding). Thread cutting, advanced milling operations and the introduction of the surface grinder will be covered.

Requisite: Concurrent enrollment in or completion of PMT 101.

Type: C

PMT 110 Introduction to CNC Operations 2-1-2.5

This course starts with students learning all the safety aspects when operating a lathe. Learning all the safety aspects when operating a

Course Description Guide (continued)

PMT 240

Course Description Guide (continued)

PSYC 210 Life-Span Development **3-0-3**
is an introductory course that explores significant events in people's lives

Course Description Guide (continued)

PSYC 288 Biological Psychology 3-0-3

Biological psychology is the study of the physiological, evolutionary, and developmental mechanisms of behavior and experience. Students enrolled in this course will learn about major issues as they relate to brain and behavior. Specifically, this course will cover the anatomy and functions of the brain as it relates to concepts such as genetics, drug use, intelligence, disorders of movement and brain damage and what makes one a morning person versus an evening person. This course is an excellent course for any student interested in learning about disorders such as narcolepsy, attention deficit disorder, substance abuse and addiction or psychological disorders as each relates to the brain.

Requisite: PSYC 151.

Type: T

RC

Course Description Guide (continued)

RC 206 Clinical Practice IV 0-16-4

This course provides under supervision: observation, practice, and application of respiratory care procedures to critically ill neonatal patients, continuous mechanical ventilation of the new born, rehabilitation of respiratory care patients, care and testing of patient's with sleep disorders, testing of patients' pulmonary function, cardiac stress testing and electrocardiography, and the care of respiratory care patients in alternate settings. Note: This course requires clinical practice each week. Dates, times and locations will be announced. Requisite: RC 203, RC 204 each with a grade of "C" or better; concurrent enrollment in or completion of RC 207, RC 206 each with a grade of "C" or better.
Type: C

RC 207 Respiratory Care In Review 4.5-0-4.5

This format allows for a variety of pertinent, current respiratory care and health care topics to be presented as needed. Set topics will include preparation for the National Board for Respiratory Care's NBRC Therapist Multiple Choice Exam and Clinical Simulation Exam, as well as exercises in critical thinking and review of clinical practice guidelines and therapist driven protocols. Requisite: RC 203, RC 204 each with a grade of "C" or better; concurrent enrollment in or completion of RC 205, RC 206 each with a grade of "C" or better.
Type: C

Russian

RUSS 101 Elementary Russian I 4-0-4

This introductory language course focuses on establishing a solid foundation in the four basic skill areas of reading, writing, listening comprehension and speaking in Russian. Students are also introduced to the history and cultures of the Russian-speaking world. Requisite: Reading placement above ENG 91 or completion of ENG 91.
Type: T

RUSS 102 Elementary Russian II 4-0-4

This introductory language course is a continuation of RUSS 101 and focuses on establishing a solid foundation in the four basic skill areas of reading, writing, listening comprehension and speaking in Russian. Students are also introduced to the history and cultures of the Russian-speaking world. Requisite: RUSS 101.
Type: T

Sign Language Studies: Interpreter

SLS 100 Non-Verbal Communication 2-0-2

This course compares and contrasts non-verbal behavior and actions to speech

Course Description Guide (continued)

SLS 205 Interpreting I 3-0-3

is a skill development course which provides students the opportunity to practice the skills associated with interpretation using a consecutive to simultaneous process. Students will be introduced to the cognitive processing skills involved in interpreting. Coursework will consist of videotaped projects and activities for skill enhancement in working with English/ASL interpretations. (Fall only)

Requisite: SLS 105 with a grade of "C" or better; concurrent enrollment in or completion of SLS 203 , SLS 210 each with a grade of "C" or better.
Type: C

SLS 206 Interpreter Principles & Practices 3-0-3

is a survey course that is designed to introduce students to contemporary theories regarding interpretation and the world of work of interpreters. Students will become familiar with the specialized jargon used within the field of interpretation to describe various aspects of the work and the protocol that influences interpretation work in different settings. Ethical standards associated with interpretation will be introduced and applied to a variety of work situations. (Fall only)

Requisite: SLS 105, SLS 120 each with a grade of "C" or better; concurrent enrollment in or completion of SLS 203 with a grade of "C" or better.
Type: C

SLS 210 ASL Linguistics II 3-0-3

Students continue the study of ASL and English linguistics, building on information introduced in SLS 120, through study of semantics, pragmatics, turn-taking, discourse analysis, and language in context. The primary focus of this course is translation through discourse analysis and techniques of rephrasing and restructuring meaning in ASL and in English. Power dynamics, language in context and turn-taking in interpreted settings will also be discussed in relation to the interpreter's role. (Fall only)

Requisite: SLS 120 with a grade of "C" or better, concurrent enrollment in or completion of SLS 203 with a grade of "C" or better.
Type: C

Course Description Guide (continued)

SOC 203 Social Problems 3-0-3

This course will introduce the sociological study of social problems focusing on both the structural context and symbolic construction within U.S. society. Social issues such as poverty, unemployment, racism, gender inequality, pollution, war, issues in education, drugs and crime will be explored with an emphasis on the intersection of race, ethnicity, gender and social class. Research will be used to understand the nature of these problems and to explore ongoing and new solutions.

Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better; Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-S7 901

SOC 210 Deviance, Crime and Society 3-0-3

This course explores the nature and variety of crime and deviant behavior in American society. Violence, crime, sexual deviance, alcohol and drug use and elite deviance are examined. Various theoretical approaches will be explored and applied. Issues surrounding social control will be considered.

Requisite: SOC 153 or ANTH 150.

Type: T

SOC 222 Survey of Social Work 3-0-3

This course is an introduction to generalist social work within the context of social welfare, including its historical origins, conceptual framework, and contemporary focus. An overview of principal social work values and codes

Course Description Guide (continued)

SPCH 155 Interpersonal Communication 3-0-3

This course will provide the student with the means for becoming a better interpersonal communicator through the study of interpersonal communication theory and the application of major concepts, including language processes; types of verbal and nonverbal communication; oral and visual means of transmitting information; methods of encoding information; social consequences; and creating, maintaining and terminating various types of relationships.

Requisite: Reading and writing placement at ENG 101 or completion of all reading and writing developmental requirements.

Type: T, IAI-MC 901

SPCH 170 Persuasion 3-0-3

Provides the student with an in-depth understanding of persuasion components, ethics and the process of persuasive speaking. Students will speak individually and as panel discussants. Students will also study various forms of persuasion, including advertising and political campaigns.

Requisite: Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.

Type: T

SPCH 174 Applied Forensics I 0-3-1

Applied Forensics is a course offering instruction and practical experience in intercollegiate individual events speech competition. In addition, programs are available for presentation for community service organizations as a way to address the citizenship component of Learning Outcomes Assessment. There are possibilities of judging high school tournaments also as an additional way of serving the community. The course will cover a variety of competitive speech events: informative and persuasive speaking, oral interpretation, duo interpretation, communication analysis, extemporaneous and impromptu speaking, and speaking to entertain. Students may take Applied Forensics I, II and III once each graduated order. Applied Forensics IV may be taken more than once.

Requisite: Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.

Type: T

SPCH 175 Applied Forensics II 0-3-1

Applied Forensics is a course offering instruction and practical experience in intercollegiate individual events speech competition. In addition, programs are available for presentation for community service organizations as a way to address the citizenship component of Learning Outcomes Assessment. There are possibilities of judging high school tournaments also as an additional way of serving the community. The course will cover a variety of competitive speech events: informative and persuasive speaking, oral interpretation, duo interpretation, communication analysis, extemporaneous and impromptu speaking, and speaking to entertain. Students may take Applied Forensics I, II and III once each graduated order. Applied Forensics IV may be taken more than once.

Requisite: SPCH 174.

Type: T

SPCH 180 Interviewing 3-0-3

Provides the student with a practical understanding of the interview process. A variety of interview types are examined, and each student prepares and participates in several interviews. This course provides the opportunity for valuable interview experience as both the interviewer and interviewee.

Requisite: Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.

Type: T

SPCH 200 Oral Interpretation 3-0-3

The principles of selecting, cutting and interpreting poetry, prose and drama, and of reading these materials to the class. Also featured is work preparing and taking part in readers theatre presentations.

Requisite: Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.

Type: T, IAI-TA 916

SPCH 213 Intro to Public Relations 3-0-3

This course is designed to introduce students to the history and evolution of public relations as a profession. The course looks at the range of responsibilities and functions that public relations practitioners assume in a variety of organizational structures as well as the significant issues and trends that will continue to influence the practice of public relations in the future.

Through lectures, discussions, activities and assignments, students will learn about the history and theories of public relations and ultimately have a better understanding of current public relations practices.

Requisite: Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.

Type: T, IAI-MC 913

SPCH 240 Group Communication 3-0-3

Group Communication introduces students to the fundamental principles, skills and dynamics of the group process. The course will give students practical experience in working within the group framework and will focus on problem-solving, leadership, listening, conflict, and interpersonal relationships as they pertain to the overall effectiveness and success of small group discussions and presentations.

Requisite: SPCH 151 or SPCH 155 each with a grade of C or better.

Type: T

SPCH 274 Applied Forensics III 0-3-1

Applied Forensics is a course offering instruction and practical experience in intercollegiate individual events speech competition. In addition, programs are available for presentation for community service organizations as a way to address the citizenship component of Learning Outcomes Assessment. There are possibilities of judging high school tournaments also as an additional way of serving the community. The course will cover a variety of competitive speech events: informative and persuasive speaking, oral interpretation, duo interpretation, communication analysis, extemporaneous and impromptu speaking, and speaking to entertain. Students may take Applied Forensics I, II and III once each graduated order. Applied Forensics IV may be taken more than once.

Requisite: SPCH 175.

Type: T

SPCH 275 Applied Forensics IV 0-3-1

Applied Forensics is a course offering instruction and practical experience in intercollegiate individual events speech competition. In addition, programs are available for presentation for community service organizations as a way to address the citizenship component of Learning Outcomes Assessment. There are possibilities of judging high school tournaments also as an additional way of serving the community. The course will cover a variety of competitive speech events: informative and persuasive speaking, oral interpretation, duo interpretation, communication analysis, extemporaneous and impromptu speaking, and speaking to entertain. Students may take Applied Forensics I, II and III once each graduated order. Applied Forensics IV may be taken more than once.

Requisite: SPCH 274.

Type: T

SPCH 299 Problems in Speech Variable up to (3)-(6)-(3)

Seminar on a special topic or current issue in speech.

Requisite: Reading placement above ENG 91 or completion of ENG 91; Writing placement above ENG 95 or completion of ENG 95.

Type: T

Technical Math

GT 104 Math for Electronics 4-0-4

Topics of fundamentals of algebra, operations of signed numbers, exponents and square roots, triangular trigonometry and metric conversion with emphasis on the applications found in the study of electrical/electronics circuits will be studied. Offered in fall, spring, and summer. Graphing calculator required (TI-84).

Requisite: None.

Type: C

GT 105 Intro to Technical Mathematics 3.5-1-4

GT 105 will cover operations of signed numbers, exponents and square roots, basic algebra, ratios and proportions, angle measurements, area and perimeters of polygons, circles, geometric solids, and triangular trigonometry. Offered in fall, spring, and summer. Graphing calculator required (TI-84).

Requisite: Math placement above MATH 93 or completion of MATH 93 with a grade of "C" or better.

Type: C

Theatre

THEA 120 Theatre Appreciation 3-0-3

A Humanities course that surveys the nature and function of theatre as a collaborative art. The foundations and basic elements, historical and contemporary forms of experience, production processes, and criteria for performance criticism of theatre will be explored using lecture, selected readings, films, demonstrations, guest speakers, and slide presentations. Some play attendance will be required.

Requisite: Reading placement above ENG 91 or completion of ENG 91;

Writing placement above ENG 95 or completion of ENG 95.

Type: T, IAI-F1 907

THEA 150 Stagecraft 1-5-3

The purpose of this course is to introduce students to the world of technical theatre. Through lecture, hands-on lab and stage experience, students will gain a working knowledge of theatre terminology, operations, stage equipment and construction methods and materials in such areas as scenery, lighting, sound, and costumes, and safely demonstrate their use.

Requisite: Reading placement above ENG 91 or completion of ENG 91;

Writing placement above ENG 95 or completion of ENG 95.

Type: T

THEA 161 Production Lab 0-3-1

This is a theatre performance class designed to instruct students in dramatic interpretation and presentation. Examining different acting, movement, and vocal techniques, students will have opportunities for developing skills by examining concepts, principles, and techniques for dramatic performance through regular rehearsal and performance.

Requisite: Reading placement above ENG 91 or completion of ENG 91;

Writing placement above ENG 95 or completion of ENG 95.

Type: T

THEA 162 Production Lab 0-3-1

This is a theatre performance class designed to instruct students in dramatic interpretation and presentation. Examining different acting, movement, and vocal techniques, students will have opportunities for developing skills by examining concepts, principles, and techniques for dramatic performance through regular rehearsal and performance.

Requisite: SPCH 161.

Type: T

THEA 251 Theatre Production 3-0-3

A beginning approach to directing dramatic production, focusing on principles of script analysis, visual composition, auditory design and movement theory. In addition to directing theory, areas such as set design, lighting, costuming, make-up and business management are covered. The student is guided from an initial discussion of how to select a play and interpret the script to the rehearsal and actual production of a one-act play of his or her choice.

Requisite: Reading placement above ENG 91 or completion of ENG 91;

Writing placement above ENG 95 or completion of ENG 95.

Type: T

THEA 256 Theatre Acting 3-0-3

Theatre Acting is designed for the college student possessing little or no background in the performing arts and/or the student with some knowledge and experience. Course content includes beginning technique, theory, and the methodology needed to grasp the concept of acting. The practice of acting is explored through exercises using imagination, concentration, relaxation, intention, improvisation, spontaneity, and the reality of doing (as each applies to the craft of acting).

Requisite: Reading placement above ENG 91 or completion of ENG 91;

Writing placement above ENG 95 or completion of ENG 95.

Type: T, IAI-TA 914

THEA 261 Production Lab 0-3-1

This is a theatre performance class designed to instruct students in dramatic interpretation and presentation. Examining different acting, movement, and vocal techniques, students will have opportunities for developing skills by examining concepts, principles, and techniques for dramatic performance through regular rehearsal and performance.

Requisite: SPCH 162.

Type: T

THEA 262 Production Lab 0-3-1

This is a theatre performance class designed to instruct students in dramatic interpretation and presentation. Examining different acting, movement, and vocal techniques, students will have opportunities for developing skills by examining concepts, principles, and techniques for dramatic performance through regular rehearsal and performance.

Requisite: SPCH 261.

Type: T

Warehousing

WRH 120 Warehousing Environment 1.5-0-1.5

This course provides learners with an overview of the functional and structural composition of warehousing and distribution centers. Topics include product flow, warehousing processes, working safely in a warehousing environment, principles in running a business, workplace ethics and how employees affect the bottom line.

Requisite: None.

Type: C

WRH 121 Warehousing Workforce Skills 1.5-0-1.5

Learners will be provided with an overview of workplace practices that contribute to the success of the job. The art of effective communication, working with others, projecting a positive image, and learning interview skills will be stressed in this course.

Requisite: None.

Type: C

WRH 122 Warehousing & Distribution Process 2.5-0-2.5

This course provides learners with the knowledge and understanding of the core skills associated with warehousing and distribution. Learners will focus on the physical aspects of warehousing and distribution functions like material handling, staging and shipping. Other topics to be covered in this course include: warehousing productivity measures, inventory management, protecting materials and merchandise, palleting, handling systems, and processing hazardous materials.

Requisite: None.

Type: C

WRH 123 Warehousing Technology Skills 2-0-2

Warehousing technology skills are those practices important to working in a technical environment. This course covers the use of scanners and data applications along with the understanding of industrial controls and computers and automation.

Requisite: None.

Type: C

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Wayne P ngsten • Accounting
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Joyce Ray • Mathematics
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