Academic Programs

Academic Programs

All students working toward an associate degree must register for one of the programs listed in this section.

Two-year general studies or pre-baccalaureate programs lead to the Associate of Arts or Associate of Science degree. Two-year technical education curricula lead to either the Associate in Applied Science, the Associate in Applied Business, or Associate of Technical Studies.

General Studies Programs
Developmental Courses

Developmental courses are taken in addition to any degree program and may not be used to satisfy any basic degree requirements. These developmental courses are: ENGL 1000 (co-req), MATH 1106, MATH 1116, MATH 1118, and MATH 1119 (co-req).

Associate of Arts and Associate of Science Degrees

The Associate of Arts and the Associate of Science degrees allow each student the opportunity to pursue programs culminating in two years of formal education. While the programs provide for a core of courses required of all students, they have enough flexibility to enable students to pursue a selection of courses based upon their own areas of interest and their educational goals. Students should select electives with their academic advisor's assistance.

The Associate of Arts and the Associate of Science degrees also provide the prospective student with a firm base from which to pursue a baccalaureate degree at a four-year college or university. Courses resemble those typically offered during the first two years at an accredited baccalaureate institution. The programs have been designed to permit a broad curricular sampling in the areas of communication, social sciences, humanities, and the sciences. The degrees have also been structured to permit students the possibility of selecting courses which suit their own individual needs.

Students must meet the entrance requirements of the college to which they intend to transfer. Since requirements vary among the colleges, students are advised to consult with the appropriate officers of the transfer institution. Acceptance and evaluation of credits lies exclusively within the jurisdiction of the colleges to which students transfer. Advisors will assist any student who plans to transfer to another college or university.

General Studies Requirements

Every student pursuing an Associate of Arts or Associate of Science degree program at Southern State Community College shall select studies in specific areas of discipline. The specification of such studies is not a designation of specific courses; rather it allows the student freedom to select, from several alternatives, those experiences most appropriate for him/her. The credit distribution which follows is based on the recommended standards of the Ohio Department of Higher Education.

Ohio Transfer 36 (OT36) and Institutional Transfer Pathways (OGTP)

The Ohio Department of Higher Education developed a statewide policy which facilitates student transfer credit within Ohio state colleges and universities. The Ohio Articulation and Transfer Policy allows students who meet approved general education requirements of their home institutions to automatically fulfill the Ohio Transfer 36 (OT36) module requirements of state institutions to which they transfer, even though general education courses may vary. Students should note, however, that after transfer, they may be required to meet additional general education requirements that are not included in their OT36 module

The OT36 Module is made up of a specific subset of general education requirements in English composition, oral communications, Mathematics, humanities, fine arts, social science, behavioral science, physical science, natural science and interdisciplinary course work. The study of foreign language is also encouraged. The requirements contain 36 semester hours of course credits, as specified by individual colleges and universities.

The Ohio Guaranteed Transfer Pathways (OGTPs) are designed to provide clear pathways to degree completion for students pursuing associate degrees and then transferring to an Ohio public university for a bachelor's degree. The OGTPs constitute an agreement between public community colleges and universities confirming that community college courses meet major preparation requirements, including the Transfer Module, and will be counted and applied toward the bachelor's degree. Students still must meet all university program admission requirements, which in some cases may be competitive. (See Transfer Resources for OT36 and OGTP Pathways). Under the guidelines of the Ohio Transfer Policy, once transfer students are admitted into their receiving institutions, they are subject to the same regulations, including residency requirements, as are native students. They also will be given the same class standing and other privileges as

native students., Students should communicate, as early as possible in their academic careers, with the various colleges and universities to which they plan to transfer. Early communication and subsequent, early decisions about majors and prospective receiving institutions, enables students to plan their academic pathway to their transfer institutions. Southern State cannot be responsible if the student takes courses out of sequence or substitutes courses for those listed in the guaranteed program. For more information on transferring credit, https://transfercredit.ohio.gov/

Ohio Transfer (OT36) Module Requirements

The Ohio Transfer (OT36) Module at Southern State Community College (revised Autumn term, 2021) consists of 36 semester credit hours of introductory general education courses in: English Composition/Oral Communications, Mathematics, Arts/ Humanities, Social and Behavioral Sciences, and Natural and Physical Sciences. Students follow these directions in selecting OT36 approved courses:

1. Select minimum requirements from introductory courses following the instructions provided in each section.
2. Complete the required minimum hours of the OT36 Module from the remaining courses on this list.

NOTE: Be sure to check with an academic advisor to assure the courses selected are the most appropriate for the major and the transfer college or university selected.

WRITTEN & ORAL COMMUNICATIONS
(9 semester hours)

ENGL 1101	English Composition I	(3)
ENGL 1102	English Composition II	(3)
COMM 1115	Fundamentals of Effective Speech	(3)

(This course is in addition to English Composition and does not replace nor can it be substituted for written composition courses.)

MATHEMATICS
(Select a minimum of 3 semester hours)

MATH 1124	Finite Math	(3)
MATH 1141	College Algebra	(4)
MATH 1142	College Trigonometry	(4)
MATH 2221	Calculus I	(5)
MATH 2222	Calculus II	(5)
MATH 2223	Calculus III	(4)
MATH 2250	Linear Algebra	(4)
MATH 2281	Introductory Statistics	(3)

ARTS/HUMANITIES
(Select 6 semester hours from at least two areas)
English

ENGL 2201	Introduction to Literature (3)
ENGL 2202	The Great American Novel (1925-Present) (3)
ENGL 2207	Women's Literature (3)
ENGL 2217	Readings in Early British Literature (3)
ENGL 2218	Readings in Later British Literature (3)
ENGL 2230	American Literature to 1865 (3)
ENGL 2235	American Literature after 1865 (3)
ENGL 2236	Comtemporary World Literature: The Novel (1945 to present) (3)
ENGL 2238	Young Adult Literature (3)
ENGL 2240	Introduction to Films (3)
ENGL 2241	Film History (3)
ENGL 2246	Classical and World Mythology (3)
ENGL 2247	Critical & Cultural Approaches to the Fairytale (3)

Philosophy

PHIL 1101	Introduction to World Philosophy (3)
PHIL 1102	Introduction to Western Philosophy (3)
PHIL 1107	Ethics (3)

Fine Arts

FNAR 1104	Introduction to the Arts (3)
FNAR 1111	History of Art I (3)
FNAR 1112	History of Art II (3)
FNAR 1116	Music Appreciation I (3)
FNAR 1117	Music Appreciation II (3)

Theater
THEA 1121   Introduction to the Theater (3)

SOCIAL SCIENCE
(Select 6 semester hours in at least two areas)
Economics
ECON 2205   Principles of Microeconomics (3)
ECON 2206   Principles of Macroeconomics (3)

History
HIST 1110   American History I (3)
HIST 1111   American History II (3)
HIST 1130   African American History (3)
HIST 1140   American Women's History (3)
HIST 1151   Introduction to Western Civilization I (3)
HIST 1152   Introduction to Western Civilization II (3)

Political Science
PSCI 1104   American Government - The American
                Democracy I (3)
PSCI 1105   American Government - The American
                Democracy II (3)
PSCI 2208   Comparative Government and Politics (3)

Psychology
PSYC 1110   Principles of Psychology (3)

Sociology
SOCI 1107   Introduction to Diversity (3)
SOCI 1170   Introduction to Sociology (3)

NATURAL AND PHYSICAL SCIENCES
(Select 6 semester hours with at least one course a laboratory course)
Biology
BIOL 1310   Principles of Biology I (5)
BIOL 1320   Principles of Biology II (5)
BIOL 1040   Human Biology I (4)
BIOL 1050   Human Biology II (3)
BIOL 1060   Environmental Science (3)
BIOL 1510   Anatomy & Physiology I (4)
BIOL 1520   Anatomy & Physiology II (4)
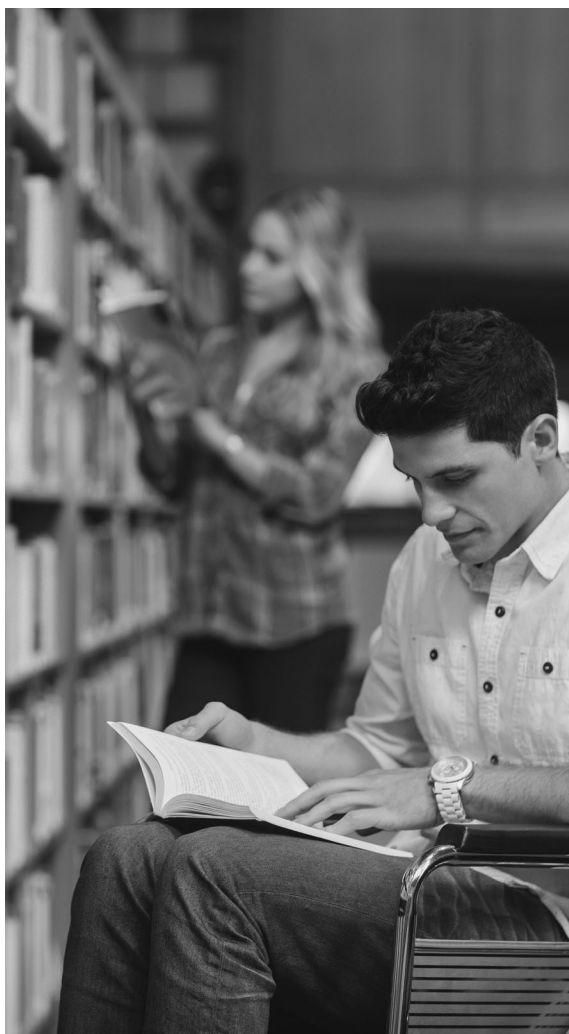BIOL 2300   Microbiology (4)

Chemistry
CHEM 1151/   First-Year Chemistry I/Chemistry Lab
1161   (4/1)
CHEM 1152/   First-Year Chemistry II/Chemistry Lab
1162   (4/1)
CHEM 2201/   Organic Chemistry I/Organic Chemistry
2211   Lab (4/1)
CHEM 2202/   Organic Chemistry II/Organic Chemistry
2212   Lab (4/1)

Physical Science
PHYS 1101   Introduction to Physical Science (3)
PHYS 1104   Physical Geology (4)
PHYS 2201   General Physics I (5)
PHYS 2202   General Physics II (5)
PHYS 2221/   College Physics for Scientists & Engineers I/
2231   Lab (4/1)
PHYS 2222/   College Physics for Scientists & Engineers II/
2232   Lab (4/1)

Technical Programs

Technical education is designed to provide thorough career training at the technician level. The two-year associate degree programs expose students to intensive practical experience and skill development in the field they choose to study. The certificate programs are aimed at giving students a compact but thorough knowledge in a specified field. Technical offerings are tailored to meet the career interests and employment needs of persons in the communities served by Southern State Community College.

These degrees are awarded for successful completion of program requirements in a specialized degree program aimed at preparing a student for entry into a specific occupation.

Associate of Applied Business

| 429 | Business Management - Real Estate Broker |
| 429D | Accounting |

Associate of Applied Science

430	Nursing
435	Human & Social Services
435A	Human & Social Services: Chemical Dependency
455B	Computer Technology
460C	Mechanical Design Technology
470A	Electro-Mechanical Engineering Technology
470G	Engineering: Aviation Maintenance
485	Early Childhood Education
486	Paraprofessional Education
492	Medical Assisting
496A	Law Enforcement

Associate of Technical Studies

| 410 | Associate of Technical Studies |

It is important for students to plan their program with the help and approval of a faculty advisor.

Certificate Programs

These certificates are awarded for successful completion of the certificate requirements designed to give students a compact but thorough knowledge for these fields:

429G	Accounting
432	Practical Nursing
470I	Aviation Airframe
470J	Aviation Powerplant
492B	Phlebotomy
492E	Medical Assistant Technology

Career Enhancement Certificates

- Real Estate
- Microsoft Office Specialist
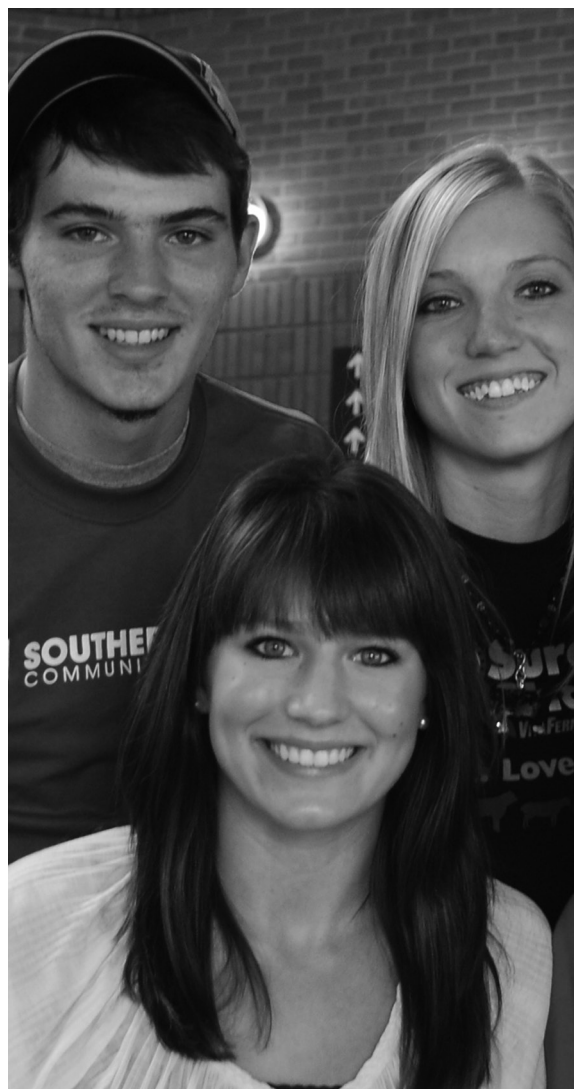
Associate of Arts Degree
Two-year Degree Program   **Total Credits: 60**

General Education Distribution Requirements

Associate of Arts Degree
To receive an Associate of Arts Degree, a student must complete course work that satisfies the following guidelines:
1. The SSCC Transfer Module (OT 36) (36 semester credit hours) must be satisfied.
2. A minimum total of 60 non-developmental education semester credit hours must be successfully completed.
3. Course work must be distributed in the following manner. In all cases, courses taken to satisfy the Transfer Module may be included in these totals.

A. Written & Oral Communications
   9 semester hours
   - ENGL 1101
   - ENGL 1102
   - COMM 1115

B. Social Sciences
   9 semester hours (Courses from at least 2 areas)
   - Economics
   - Sociology
   - Psychology
   - History
   - Political Science

C. Science and Mathematics
   9 semester hours (at least one course from category 1 and two courses from category 2)
   - Category 1: Mathematics
   - Category 2: Biology, Chemistry, Physics

D. Arts and Humanities
   12 semester hours (Courses from at least two areas)
   - Literature
   - Film
   - Fine Arts
   - Philosophy
   - Theater
   - Foreign Language

E. Electives
   At least 21 semester hours

60 total credit hours for degree completion

Students with specific baccalaureate goals should meet the Associate of Arts requirements with electives that are approved by the advisor at the receiving institution.

Associate of Arts Degree
Concentration Pathways

Associate of Arts – Concentration Pathways

The concentrations listed below are academic pathways within the Associate of Arts Degree. *For example, a student who is planning to transfer to a four-year institution for Business Management may be interested in pursuing a concentration in Business Management.* Students must meet all requirements for the Associate of Arts Degree and Transfer Module to qualify for a concetration.

- **Health, Fitness, and Exercise Science** *(Minimum of 9 credit hours earned from the following courses)*

HFES 1101	Introduction to Exercise Science
HFES 1102	Introduction to Athletic Training
HFES 1195	Fitness and Wellness for Life
HFES 1190	Health-Related Fitness Foundations
HFES 2234	Personal Health

- **Business Management**

ACCT 1101	Principles of Financial Accounting
ACCT 1102	Principles of Managerial Accounting
BADM 2204	Principles of Marketing
BADM 2206	Principles of Mgmt & Org. Behavior
BADM 2251	Business Law I
BADM 2272	Business Communications

- **Real Estate**

REST 1171	Principles of Real Estate
REST 1173	Real Estate Law
REST 2275	Real Estate Finance & Appraisal

- **Theatre**

THEA 1121	Introduction to Theatre
	Choose one of the following:
	- THEA 1131, THEA 1132, THEA 2231
	Choose one of the following:
	- THEA 1101, THEA 1104, THEA 2204
	Choose one of the following:
	- THEA 1140, THEA 1150, THEA 2220

- **Agriculture** *(Minimum of 9 credit hours earned from the following courses)*

AGRI 1101	Agricultural Economics
AGRI 1106	Principles of Crop Science
AGRI 1107	Principles of Animal Science
AGRI 1114	Principles of Horticulture
AGRI 1119	Greenhouse Management
AGRI 1126	Livestock Feeds & Feeding
AGRI 2200	Agricultural Field Experience

Associate of Science Degree
Two-year Degree Program   **Total Credits: 60**

Associate of Science Degree

To receive an Associate of Science Degree, a student must complete course work that satisfies the following guidelines:

1. The SSCC Transfer Module (OT 36) (36 semester credit hours) must be satisfied.
2. A total of 60 non-developmental education semester credit hours of must be successfully completed.
3. Course work must be distributed in the following manner. In all cases, courses taken to satisfy the Transfer Module may be included in these totals.

A. Written and Oral Communications
9 semester hours
- ENGL 1101
- ENGL 1102
- COMM 1115

B. Social Sciences
9 semester hours (Courses from at least 2 areas)
- Economics
- Sociology
- Psychology
- History
- Political Science

C. Science and Mathematics
14 semester hours Courses from 1 and 2 (at least one course from category 1 and two courses from category 2)
  1. Mathematics - 1141, 1142, 2221, 2222, 2223, 2230, 2281
  Other math courses will not satisfy this requirement.
  2. Science - Biology - 1040/1041, 1050, 1310/1311, 1320/1321, 1510/1511, 1520/1521, 2300/2301
  Chemistry - 1151/1161, 1152/1162, 2201/2211, 2202/2212
  Physical Science - 2201/2211, 2202/2212, 2221/2231, 2222/2232
  Other science courses will not satisfy this requirement.

D. Arts and Humanities
9 semester hours (Courses from at least two areas)
- Literature
- Film
- Fine Arts
- Philosophy
- Theater
- Foreign Language

E. Electives - At least 19 semester hours

60 total credit hours for degree completion

Students with specific baccalaureate goals should meet the Associate of Science requirements with electives that are approved by an advisor at the receiving
institution.

Associate of Science Degree
Concentration Pathways

Associate of Science – Concentration Pathways

The concentrations listed below are academic focus pathways within the Associate of Science Degree. For example, a student who is planning to transfer to a four-year institution for Engineering may be interested in pursuing a concentration in Mathematics. Students must meet all requirements for the Associate of Science Degree and Transfer Module to qualify for a concentration.

• **Forensic Biotechnology**

Recommended for students interested in Crime Scene Investigation, Law Enforcement, and Criminal Investigation Laboratory Science

BTNL 1110	Intro to Biotechnology & Laboratory Science
BTNL 1120	Intermediate Biotechnology & Laboratory Science
CJUS 2233	Criminal Investiagtion
CJUS 2245	Crime Scene Investigation

• **Molecular Biotechnology**

Recommended for students interested in Premedicine, Predentistry, Preveterinary, Biology, or work in the Biotechnology field

BTNL 1110	Intro to Biotechnology & Laboratory Science
BTNL 1120	Intermediate Biotechnology & Laboratory Science
BTNL 2220	Advanced Biotechnology & Laboratory Science

• **Mathematics**

MATH 2222	Calculus II
MATH 2223	Calculus III
MATH 2230	Differential Equations
MATH 2250	Linear Algebra

• **Agriculture** *(Minimum of 9 credit hours earned from the following courses)*

AGRI 1101	Agricultural Economics
AGRI 1106	Principles of Crop Science
AGRI 1107	Principles of Animal Science
AGRI 1114	Principles of Horticulture
AGRI 1119	Greenhouse Management
AGRI 1126	Livestock Feeds & Feeding
AGRI 2200	Agricultural Field Experience

Technical Studies - 410
Associate of Technical Study Degree   **Total Credits: 60-73**

The Associate of Technical Study (ATS) program offers the student the opportunity to design, with faculty guidance, an individualized course of study to suit specific career-related goals. Course work for ATS degrees may include portions of existing Southern State programs, skills already learned, life experience and applicable credits earned at other schools. Requirements for an individual student's program usually fit into traditional program offerings.

While meeting each student's personal career objectives, the ATS program satisfies the employer as well. The program is particularly appropriate for individuals who are employed and have been targeted for positions with additional responsibility. It also provides an option for both employer and employee when existing job positions have requirements which are not adequately matched with current college curricula. The individualized philosophy of the program draws courses from two or more technical areas and attempts to fulfill local employment needs one student at a time. Furthermore, this multidisciplinary approach will prepare graduates for future transitions which may occur in the workplace.

Admissions Procedures
Individuals interested in pursuing the Associate of Technical Study degree will begin the application procedure by first being directed to a faculty advisor.

Secondly, the student will complete and submit the Southern State Community College Application for Admission and the Associate of Technical Study Application. On the ATS Application form, the student will be asked to justify acceptance into the program and to demonstrate sound rationale for why the ATS degree is more appropriate.

Next, the student will be assigned a faculty advisor and an ATS planning committee will be established. The faculty advisor, along with the planning committee, will oversee the selection of courses and assure that standards will be maintained

Each student's progress will be monitored, and any deviation from the established program must be approved by the Vice President of Academic Affairs.

Graduation Requirements
1. Graduates of the ATS program will adhere to the same requirements as any technical program at Southern State with regard to communications, mathematics, social science/humanities and natural sciences.
2. Semester hour requirements will be established individually within limits of 60 to 73.

3. A grade point average of 2.00 or above is required for graduation.
4. At least 20 semester hours of classroom instruction of each student's course work must be completed at Southern State.
5. Particular courses may be required by the planning committee, based upon the student's background and career objectives.

Associate of Technical Study: Type A Program
This program enables the student to receive college credit for qualified industry training and to choose courses from two or more existing Southern State associate degree programs and thereby design a personalized curriculum. All ATS Type A program curriculums must be approved by the Vice President of Academic Affairs.

Associate of Technical Study: Type B Program
This program helps the college to develop associate degree programs in partnership with professional organizations and business/industrial firms with staff development programs by equating their training activity to a block of college credit.

A college review committee will examine the training program offered by an organization in order to determine if it qualifies for inclusion.

When implemented, each program accommodates students transferring from an educational program which lies outside the traditional collegial domain. The degree gives recognition to the training of the professionals while enabling them to experience the broadening, liberalizing, and enriching components of a college education. For more information concerning the ATS Type B program, contact your faculty advisor.

Currently, cooperative arrangements can be incorporated for ATS Type B degrees in the following:

Industrial Training
Southern State has worked with numerous industries to develop a program for skill areas used in industry from existing curriculum, in whole or in part. These completed programs can provide a significant amount of credit toward an associate degree.

The basic ingredients of these programs and their basic framework can be adapted to other trade or skill areas to meet other companies' needs.

Total Credits: 60-73

Business Management - 429
Associate of Applied Business Degree   **Total Credits: 61**

Nature of the Profession: Managerial personnel oversee, direct and plan the work of others as well as determine business policy. Entry-level positions are either supervisory or trainee in nature. Supervisors are the largest group and they direct workers' activities in such areas as sales, production, accounting, and purchasing.

Related Job Titles: Retail Department Manager; Purchasing Manager; Restaurant, Hotel, or Motel Manager; Credit Manager; and Manager Trainee.

COURSES		CREDITS
Fall Semester		
ACCT 1101	Principles of Financial Accounting	3
BADM 2206	Principles of Management & Organizational Behavior	3
BADM 2251	Business Law I	3
CSCI 2218	Excel	3
ENGL 1101	English Composition I	3
Spring Semester		
ACCT 1102	Principles of Managerial Accounting	3
BADM 2252	Business Law II	3
BADM 2272	Business Communications	3
ENGL 1102	English Composition II	3
MATH - - -	*MATH 1125 or MATH 1141 <u>or</u> higher	4
Fall Semester		
BADM 2204	Principles of Marketing	3
BADM 2220	Human Resources Management	3
ECON 2205	Principles of Microeconomics	3
COMM 1115	Fundamentals of Effective Speech	3
----------------	Arts & Humanities Elective	3
Spring Semester		
BADM 2208	Supervision & Leadership	3
BADM 2216	Business Ethics	3
BADM 2222	Business Finance	3
BADM 2290	Problems in Business	3
ECON 2206	Principles of Macroeconomics	3
Program Total		**61**

*MATH 1141 OR Higher may be required for Transfer Institutions

Business Management | Agriculture - 429
Associate of Applied Business Degree   **Total Credits: 60-61**

Nature of the Profession: Managerial personnel oversee, direct and plan the work of others as well as determine business policy. Entry-level positions are either supervisory or trainee in nature. Supervisors are the largest group and they direct workers' activities in such areas as sales, production, accounting, and purchasing.

Related Job Titles: Retail Department Manager; Purchasing Manager; Restaurant, Hotel, or Motel Manager; Credit Manager; and Manager Trainee.

Agriculture Electives
AGRI 1101	Agricultural Economics (3)	
AGRI 1106	Principles of Crop Science (4)	
AGRI 1107	Principles of Animal Science (4)	
AGRI 1114	Principles of Horticulture (4)	
AGRI 1119	Greenhouse Management (4)	
AGRI 1126	Livestock Feeds & Feeding (3)	
AGRI 2200	Agricultural Field Experience (2-4)	

Business Electives
BADM 2206	Organizational Behavior (3)
BADM 2213	Personal Finance (3)
BADM 2216	Business Ethics (3)
BADM 2220	Human Resources (3)
BADM 2222	Business Finance (3)

COURSES   **CREDITS**

Fall Semester

ACCT 1101	Principles of Financial Accounting	3
AGRI - - -	Elective	4
BADM 2251	Business Law I	3
CSCI 2218	Excel	3
ENGL 1101	English Composition I	3

Spring Semester

ACCT 2230	Computerized Accounting	3
AGRI - - -	Elective	4
BADM 2272	Business Communications	3
ENGL 1102	English Composition II	3
MATH - - -	*MATH 1115 <u>or</u> higher	3

Fall Semester

AGRI - - -	Elective	4
BADM 2204	Principles of Marketing	3
BADM 2252	Business Law II - The Formulation and Regulation of Business	3
ECON 2205	Principles of Microeconomics	3
PHIL 1107	Ethics	3

Spring Semester

AGRI - - -	Elective OR	
BADM - - -	Elective	3/4
BADM 2208	Supervision & Leadership	3
BADM 2290	Problems in Business	3
ECON 2206	Principles of Macroeconomics	3

Program Total   **60-61**

*MATH 1125 OR higher is required for most transfer institutions

Business Management | Real Estate Broker - 429

Associate of Applied Business Degree   **Total Credits: 60/61**

Nature of the Profession: Managerial personnel oversee, direct and plan the work of others as well as determine business policy. Entry-level positions are either supervisory or trainee in nature. Supervisors are the largest group and they direct workers' activities in such areas as sales, production, accounting, and purchasing.

Related Job Titles: Real Estate Agent; Real Estate Broker; Retail Department Manager; Purchasing Manager; Restaurant, Hotel, or Motel Manager; Credit Manager; and Manager Trainee.

COURSES		CREDITS
Fall Semester | First Year		
ACCT 1101	Principles of Financial Accounting	3
REST 1171	Principles of Real Estate	3
REST 1173	Real Estate Law	3
REST 2275	Real Estate Finance and Appraisal	3
ENGL 1101	English Composition I	3
Spring Semester | First Year		
ACCT 1102	Principles of Managerial Accounting	3
CSCI 2218	Excel	3
BADM 2272	Business Communications	3
ENGL 1102	English Composition II	3
MATH - - -	*MATH 1115 OR MATH 1125 OR higher	3/4
Fall Semester | Second Year		
BADM 2204	Principles of Marketing	3
BADM 2220	Human Resources Management	3
BADM 2251	Business Law I	3
ECON 2205	Principles of Microeconomics	3
----------------	Arts & Humanities Elective	3
Spring Semester | Second Year		
BADM 2208	Supervision & Leadership	3
BADM 2216	Business Ethics	3
BADM 2222	Business Finance	3
BADM 2290	Problems in Business	3
ECON 2206	Principles of Macroeconomics	3
Program Total		**60/61**

*MATH 1125 or higher is required for most transfer institutions.

**After completion of REST 1171, REST 1173, & REST 2275, students can sit for the Ohio Real Estate Salesperson Licensure Exam.

Accounting Major - 429D
Associate of Applied Business Degree   **Total Credits: 61**

Nature of the Profession: Accounting personnel compile and analyze business records. They also prepare financial reports, ensuring accuracy and compliance with legal regulations. The major opportunity fields are auditing, public accounting, managerial accounting, and government accounting.

Related Job Titles: Accountant, Auditor, Budget Analyst, Credit Analyst, Financial Analyst

COURSES		CREDITS
Fall Semester		
ACCT 1101	Principles of Financial Accounting	3
BADM 2251	Business Law I	3
CSCI 2218	Excel	3
ENGL 1101	English Composition I	3
- - - - - - - - -	Arts & Humanities Elective	3
Spring Semester		
ACCT 1102	Principles of Managerial Accounting	3
ACCT 2230	Computerized Accounting - Quickbooks	3
BADM 2252	Business Law II	3
ENGL 1102	English Composition II	3
MATH - - -	*MATH 1125 or MATH 1141 <u>or</u> higher	4
Fall Semester		
ACCT 2201	Intermediate Accounting I	3
ACCT 2206	Managerial Cost Accounting	3
ACCT 2210	Tax Accounting	3
BADM 2208	Supervision & Leadership	3
ECON 2205	Principles of Microeconomics	3
Spring Semester		
ACCT 2202	Intermediate Accounting II	3
ACCT 2221	Auditing	3
BADM 2222	Business Finance	3
BADM 2290	Problems in Business	3
ECON 2206	Principles of Macroeconomics	3
Program Total		**61**

*MATH 1141 or Higher may be required for Transfer Institution

Accounting Certificate - 429G

One-Year Certificate   **Total Credits: 30/31**

Nature of the Profession: The Accounting One-Year Certificate will introduce you to the basics of accounting and prepare you for employment with a small business or an entry level accounting position. You will have the opportunity to earn user certifications in Intuit Quickbooks and Microsoft Excel.

Related Job Titles: Accounting Clerk, Bookkeeping, and Tax Preparers.

COURSES		CREDITS
Fall Semester		
ACCT 1101	Principles of Financial Accounting	3
ACCT 2210	Tax Accounting	3
BADM 2251	Business Law I	3
CSCI 2218	Excel	3
ENGL 1101	English Composition I	3
Spring Semester		
ACCT 1102	Principles of Managerial Accounting	3
ACCT 2230	Computerized Accounting - Quickbooks	3
MATH 1115	Math for Business & Social Sciences OR	3
MATH 1125*	Quantitative Reasoning OR higher	4
ECON 2205	Principles of Microeconomics	3
ENGL 1102	English Composition II	3
Program Total		**30/31**

*MATH 1125 or higher is required for the Associate Degree Program.

After completion of CSCI 2218, students can sit for the Excel Licensure Exam.

After completion of ACCT 2230, students can sit for the Intuit Quickbooks Licensure Exam.

Completion of the Accounting One-Year Technical Certificate is stackable into the Accounting Associate Degree.

Nursing - 430
Associate of Applied Science Degree   **Total Credits: 65-68**

Nature of the Profession: The registered nurse (RN) provides patient care due to illness or desire to maintain health. The RN scope of practice is defined by the Ohio Nurse Practice Act. RNs practice nursing in a wide range of settings including hospitals, schools, work sites, and patient's homes. Multiple advanced degrees are offered at various universities.

Program Design: The program is designed to be completed in five semesters. It is a daytime program, with primarily face-to-face classes. Accepted students enter with a specific cohort, and continue within that cohort until graduation. All lecture, lab, simulation, and clinical experiences are integrated into each semester, and must be completed successfully to progress in the program. NRSG courses must be completed in the order listed in the outline.

Non-nursing courses may be completed prior to entry into the program or during the required semester of the nursing program. Please note this may reduce the amount of Financial Aid you receive each term.

Admission Criteria: Admission to the nursing program is a competitive and selective process. The Associate Degree Nursing Pathway Information Packet describes the application process and documentation required to support entry into the ADN Program. The Nursing Transition Pathway Information Packet is available to guide practicing LPNs to apply to the Associate Degree Nursing Program. The Associate Degree Nursing Program and Nursing Transition Pathway Information Packets are available at all Southern State campuses or at:
www.sscc.edu/academics/associate/nursing.shtml

Incomplete applications will not be considered. It is the responsibility of the applicant to be sure the required information is submitted to the nursing office.

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Other recommended courses are: CHEM 1124, COMM 1115, any course with FNAR prefix. MAST 1115, MATH 1160 and PSYC 1110. If preparing for BSN completion, please contact school of choice for program requirements.

COURSES		CREDITS
First Semester		
BIOL 1510	Anatomy & Physiology I	3
BIOL 1511	Anatomy & Physiology Lab I	1
MATH 1135	Allied Health Mathematics	3
NRSG 1200	Pathophysiology	2
NRSG 1500	Nursing Concepts I: Normal Findings	6
Second Semester		
BIOL 1520	Anatomy & Physiology II	3
BIOL 1521	Anatomy & Physiology Lab II	1
ENGL 1101	English Composition I	3
NRSG 1300	Pharmacology	2
NRSG 1600	Nursing Concepts II: Wellness & Basic Chronic Conditions	6
PSYC 1111	Life Span Human Dev.	3
Third Semester		
BIOL 2300	Microbiology	3
BIOL 2301	Microbiology Lab	1
*NRSG 2200	LPN to RN Bridge	3
NRSG 2300	Concepts of Maternal	2
Fourth Semester		
NRSG 2500	Nursing Concepts III: Acute & Chronic Conditions	5
NRSG 2700	Concepts of Child Nursing Care	3
ENGL 1102	English Composition II	3
SOCI 1170	Introduction to Sociology	3
Fifth Semester		
NRSG 1107	Nursing Ethics	2
NRSG 2400	Mental Health Nursing	2
NRSG 2600	Nursing Concepts IV: Complex & Higher Acuity Conditions	4
NRSG 2800	Nursing Capstone	4
Program Total		**65-68**

* Nursing transition pathway students only. NRSG 2200 not required for traditional students.

Practical Nursing - 432
Certificate Program   **Total Credits: 35**

Nature of the Profession: The licensed practical nurse (LPN) provides patient care due to illness or desire to maintain health. The LPN scope of practice is defined by the Ohio Nurse Practice Act. The LPN provides care at the direction of a licensed physician, dentist, podiatrist, optometrist, chiropractor, or registered nurse. The majority of LPNs work is in long-term care and community organizations.

Program Design: The Practical Nursing Program is a three semester certificate program combining lecture, lab, and clinical experiences designed to prepare the graduate to be eligible to complete the licensure examination (NCLEX-PN) to become a Licensed Practical Nurse. The program has full approval of the Ohio Board of Nursing.

Admission Criteria: Admission to the nursing programs is a competitive and selective process. The Practical Nursing Program Information Packet describes the application process and documentation required to support entry into the Practical Nursing Program. The Practical Nursing Program Information Packet is available at all Southern State campuses or at www.sscc.edu/academics/certificate/practical-nursing.shtml

Non-nursing courses may be completed prior to entry into the program or during the required semester of the nursing program. Please note this may reduce the amount of Financial Aid you receive each term.

Incomplete applications will not be considered. It is the responsibility of the applicant to be sure the required information is submitted to the nursing office.

Other recommended courses include:
BIOL 2300/2301, CHEM 1124, COMM 1115, ENGL 1102, and MAST 1115, and PSYC 1111.

COURSES		**CREDITS**
Spring Semester	
BIOL 1510	Anatomy and Physiology I	3
BIOL 1511	Anatomy & Physiology Lab I	1
MATH 1135	Allied Health Mathematics	3
PRAC 1200	Pathophysiology	2
PRAC 1500	Practical Nursing Concepts I	5
Summer Semester	
BIOL 1520	Anatomy and Physiology II	3
BIOL 1521	Anatomy and Physiology Lab II	1
PRAC 1300	Pharmacology	2
PRAC 1600	Practical Nursing Concepts II	5
Fall Semester	
ENGL 1101	English Composition I	3
PRAC 1700	Practical Nursing Concepts III	7
Program Total		**35**

Human and Social Services - 435
Associate of Applied Science Degree   **Total Credits: 64**

Nature of the Profession: Human services worker is a generic term for people with various job titles who may play a variety of roles in community service and agency settings. They may assist clients in obtaining benefits and services or assess the needs and establish the eligibility of clients for services. They may organize and lead group activities, assist clients in need of emotional support or crisis intervention, or they may monitor and keep case records on clients and report progress to supervisors. Additionally, human services workers may administer programs such as food banks, emergency fuel programs, or work with senior centers or charities.

Human services workers generally work under the direction of a qualified professional--many times a social worker, professional counselor, program director, or psychologist. The amount of responsibility and supervision they are given varies a great deal, as do actual work duties. Some are on their own most of the time and have little direct supervision; others work under close supervision.

Related Job Titles: Social Work Assistant, Social Services Technician, Assistant Counselor, Family Services Worker, Case Extender, Case Manager, Victim Advocate Associate, MR/DD Adult Services Worker, Gerontology Aide, Residential Treatment Facility Associate, Intake Specialist, Job Coach, Income Maintenance Worker, Senior Center Director, Outreach Worker.

Program Design: The program provides a foundation in social and behavioral sciences which will prepare students for challenging work in a variety of social service settings. Entry level courses in the helping professions such as psychology, cultural diversity, sociology, social problems, and interviewing techniques will be offered. Specialty classes will include substance abuse, case management, counseling, crisis intervention, mental retardation, and gerontology. The program has been designed to meet the course work standards of the State of Ohio Counselor, Social Worker, and Marriage and Family Therapist Board certification as Social Work Assistant. Individuals will be provided opportunities for personal and professional growth through knowledge-based learning, experiential processes, community involvement and 480 hours of practical experience under direct supervision of professionals in local agencies.

Persons pursuing a career in human services should recognize that to be successful, they must be emotionally stable, creative, and flexible. Human services professionals must be able to work effectively with diverse groups of people and individuals with a wide variety of ages, racial and cultural backgrounds, and life situations.

A grade of "C" (2.00) or better is required in all courses for graduation. Any required course in which a grade below a "C" is received must be repeated. Life experience credit may not be used to fulfill graduation requirements in this program.

COURSES		CREDITS
Fall Semester		
HSSR 1140	Racial & Cultural Diversity in the Helping Professions	3
HSSR 1110	Intro to Social Services & Ethical Procedures	3
ENGL 1101	English Composition I	3
PSYC 1110	Principles of Psychology	3
MATH 1115	Math for the Business and Social Sciences	3
SOCI 2232	The Criminal Justice System	3
Spring Semester		
HSSR 1105	Survey of Substance Abuse	3
HSSR 1135	Affective Education & Group Process	3
HSSR 1150	Case Management Writing in the Helping Professions	3
ENGL 1102	English Composition II	3
PSYC 2207	Human Growth & Dev.	3
Fall Semester		
HSSR 2271	Human Services Practicum I	3
HSSR 2265	Diagnosis of Mental and Emotional Disorders	3
HSSR 2210	Counseling Theories	3
BIOL 1040	Human Biology I	3
BIOL 1041	Human Bioloy Lab I	1
SOCI 1170	Introduction to Sociology	3
Spring Semester		
HSSR 2272	Human Services Practicum II	3
HSSR 2211	Counseling Techniques	3
HSSR 2280	Crisis Intervention and Trauma Informed Treatment	3
SOCI 1150	Marriage & Family	3
COMM 1115	Fundamentals of Effective Speech	3
Program Total		**64**

Chemical Dependency Major - 435A
Human and Social Services - Associate of Applied Science Degree

Total Credits: 64

Nature of of the Profession:

The Human and Social Services Chemical Dependency Major is designed to prepare students for careers in case management and counseling of chemically dependent individuals and their families. Students are prepared for employment in entry level positions in a variety of settings including therapeutic communities, rehabilitation centers, inpatient facilities, residential programs, outpatient clinics, mental health centers, detox units, and other organizations focusing on addictions treatment, education, or prevention. They may organize and lead group activities, assist clients in need of emotional support or crisis intervention, or they may monitor and keep case records on clients and report progress to supervisors. The amount of responsibility and supervision they are given varies a great deal, as do actual job duties.

Related Job Titles:

Case Manager, Caseworker, Chemical Dependency Counselor, Social Work Assistant, Home Visitor, Residential Treatment Facility Associate, Addictions Educator, Intake Specialist.

Program Design:

The program provides students with a foundation in social and behavioral sciences, a focused study in addictions, and career-oriented clinical/practicum experiences leading to the development of competent addictions counselors. The curriculum places strong emphasis on application of knowledge to problems and practices in the fields of human services and chemical dependency treatment, intervention, and prevention. Courses in the program address basic human services and counseling skills, pharmacology and addictions theory, as well as a selection of liberal arts topics to provide a broad understanding of the human experience. Academic and clinical application coursework is built around the knowledge, skills, and competencies necessary to help clients move from life threatening addictions to recovery. Classes focus on the following: psychological and sociological understanding of human interactions; addictive behaviors and various treatments utilized with chemically dependent persons; pharmacological effects of alcohol and other chemicals; understanding the various needs of special populations and their differing help seeking behaviors; ethical issues including confidentiality, appropriate boundaries, and dual relationships; and counseling theory and techniques.

Program requirements address the competencies identified by Ohio Department of Mental Health and Addictions Services (OMHAS). Graduates will have completed the necessary coursework requirements for eligibility as a Licensed Chemical Dependency Counselor II, a credential awarded by the Ohio Chemical Dependency Professionals Board. Additional requirements for LCDC II include a period of supervised experience, some of which students are expected to complete after graduation from the program. Program graduates planning to work as chemical dependency counselors must apply for and receive this credential in order to practice legally in the State of Ohio. In addition, the program meets the educational requirements of the State of Ohio Counselor, Social Worker, and Marriage and Family Therapist Board certification of Social Work Assistant.

A grade of "C" (2.00) or better is required in all courses for graduation. Any required course in which a grade below "C" is earned must be repeated. Students completing the Chemical Dependency Major must complete their entire practicum experience at a chemical dependency counseling/treatment facility. Life experience credit may not be used to fulfill graduation requirements in this program.

COURSES		CREDITS
Fall Semester		
HSSR 1110	Intro to Social Services & Ethical Procedures	3
SOCI 2232	The Criminal Justice System	3
ENGL 1101	English Composition I	3
PSYC 1110	Principles of Psychology	3
MATH 1115	Math for Business and Social Sciences	3
SOCI 1107	Introduction to Diversity	3
Spring Semester		
HSSR 1105	Survey of Substance Abuse	3
HSSR 1135	Affective Educ. & Group Process	3
HSSR 1150	Case Management & Writing in the Helping Professions	3
ENGL 1102	English Composition II	3
PSYC 1111	Life Span and Human Development	3
Fall Semester		
HSSR 2271	Human Services Practicum I	3
HSSR 2265	Diagnosis of Mental and Emotional Disorders	3
HSSR 2210	Counseling Theories	3
SOCI 1170	Introduction to Sociology	3
BIOL 1040	Human Biology I	3
BIOL 1041	Human Biology Lab II	1
Spring Semester		
HSSR 2272	Human Services Practicum II	3
HSSR 2211	Counseling Techniques	3
HSSR 2216	Prevention, Diagnosis, and Treatment of Chem. Dependency	3
PSYC 2225	Psychology of Addiction and Family Services	3
COMM 1115	Fundamentals of Effective Speech	3
Program Total		**64**

Computer Technology - 455B
Associate of Applied Science Degree   **Total Credits: 63/64**

Nature of the Profession: This program focuses on the design of technological information systems, including computing systems, as solutions to business and communications support needs. The program includes instruction in the principles of computer hardware and software components, programming, application support and human interface design.

Related Job Titles: Consultant, Desktop Support Technician, Hardware Support Technician, Help Desk Technician, Junior Analyst, Network Administrator, Network Technician, Server Administrator, Software Support Technician, Technical Salesman, Technical Writer and Testing Technician.

COURSES		CREDITS
Fall Semester | First Year		
CSCI 2246	IT Fundamentals	3
ENGL 1101	English Composition I	3
CSCI 1150	IT Essentials	3
CSCI 2275	Professionalism	1
- - - - - - - -	General Elective	3
PSYC 1110	Principles of Psychology	3
Spring Semester | First Year		
PHIL 1107	Ethics	3
- - - - - - - -	Student Pick 1 *(Class 1 of 3)*	3
- - - - - - - -	Student Pick 2 *(Class 1 of 3)*	3
MATH 1120	Technical Math **OR**	3
MATH 1141	College Algebra	4
ENGL 1102	English Composition II	3
Fall Semester | Second Year		
- - - - - - - -	Student Pick 1 *(2 of 3)*	3
- - - - - - - -	Student Pick 2 *(2 of 3)*	3
CSCI 1155	Linux	3
PHYS 2201	General Physics	4
PHYS 2211	General Physics Lab	1
- - - - - - - -	CSCI Elective	3
Spring Semester | Second Year		
CSCI 2234	Server Administration	3
CSCI 2290	Computer Information Technology Capstone	3
- - - - - - - -	Student Pick 1 *(3 of 3)*	3
COMM 1110	Interpersonal Communications	3
- - - - - - - -	Student Pick 2 *(3 of 3)*	3
Program Total		**63/64**

Students Pick TWO Focus Areas
(after first year fall semester)

Focus 1 - Networking
- Class 1 - CSCI 2233 - CISCO Introduction to Networks
- Class 2 - CSCI 2236 - CISCO Routing and Networking
- Class 3 - CSCI 2239 - CISCO Enterprise Networking, Security, and Automation

Focus 2 - Programming
- Class 1 - CSCI 1121- Introduction to Computer Programming
- Class 2 - CSCI 2263 - HTML 5 Programming
- Class 3 - CSCI 2205 - Mobile Device Programming

Focus 3 - Cybersecurity
- Class 1 - CYBR 2210 - Introduction to Cybersecurity
- Class 2 - CYBR 2220 - Ethical Hacking
- Class 3 - CYBR 2230 - Advanced Cybersecurity

Focus 4 - Robotics
- Class 1 - EENG 1105 - DC Circuits & Devices
- Class 2 - CSCI 2260 - MicroController Programming
- Class 3 - EENG 2205 - Digital Circuits

Mechanical Design Technology - 460C

Associate of Applied Science Degree   **Total Credits: 64**

Nature of the Profession: Designers prepare detailed drawings on computer aided drafting (CAD) systems. Drawings are made on a video screen and might never be placed on paper. These systems can save time from routine drafting work and permit design variations to be easily prepared, with consideration given to tooling and manufacturing.

Related Job Titles: Architect, Engineering Technician, Landscape Architect, Surveyor, and all product design and manufacturing technicians.

**To view the new part-time guided pathway for 460C, please visit www.sscc.edu.

COURSES   **CREDITS**

Fall Semester

ENDS 1140	Introduction to Engineering Graphics w/ AutoCAD	3
ENDS 1100	Intro to Engineering	2
CSCI 2218	Excel	3
ENGL 1101	English Composition I	3
EENG 1105	DC Circuits & Devices	3
MATH 1120	Technical Mathematics	3

Spring Semester

ENDS 2230	Advanced 2D AutoCAD	3
ENDS 2233	Computer Aided Manufacturing	3
COMM 1115	Fundamentals of Effective Speech	3
PHYS 2201	General Physics	4
PHYS 2211	General Physics Lab	1
ENGL 2205	Technical Report Writing	3

Fall Semester

ENDS 2201	Engineering Mechanics: Statics	3
ENDS 2205	Hydraulics & Pneumatics	3
ENDS 1143	Introduction to Project Management & Product Design	3
ENDS 2219	Tool Design & Manufacturing	3
ENDS 2231	3D AutoCAD	3

Spring Semester

ENDS 2232	Introduction to SolidWorks	3
ENDS 2203	Strength of Materials	3
ENDS 2261	Manufacturing Materials and Processes	3
ENDS 2299	Design Capstone Project	3
- - - - - - - -	General Elective	3

Program Total   **64**

Electro-Mechanical Engineering Technology - 470A

Associate of Applied Science Degree   **Total Credits: 64**

Nature of the Profession: Electro-Mechancial engineers work in various engineering and manufacturing companies using the principles and theories of science, engineering, and mathematics. They may prepare specifications for materials, test for quality control, study ways to improve manufacturing efficiency, supervise production workers, work as field representatives, install and repair technical equipment, or write repair and operation manuals.

Related Job Titles: Product Design and Manufacturing Technician, CAD, CAM, Instrumentation Calibration and Repair Technician, Technical Writer, Sales Technician, and Research and Test Technician.

**To view the new part-time guided pathway for 470A, please visit www.sscc.edu.

COURSES		CREDITS
Fall Semester		
ENDS 1140	Introduction to Engineering Graphics w/AutoCAD	3
ENDS 1100	Introduction to Engineering	2
ENGL 1101	English Composition I	3
MATH 1120	Technical Math	3
EENG 1105	DC Circuits & Devices	3
Spring Semester		
CSCI 2260	MicroController Programming	3
ENDS 2232	Introduction to SolidWorks	3
PHYS 2201	General Physics I	4
PHYS 2211	General Physics I Lab	1
EENG 2205	Digital Electronics	3
EENG 1115	AC Circuits & Devices	3
Fall Semester		
EENG 1185	Electrical Machinery	3
EENG 2285	Manufacturing Control Systems	3
ENDS 2205	Hydraulics & Pneumatics	3
EENG 2215	Analog Circuits & Devices	3
ENDS 2201	Engineering Mechanics: Statics	3
ENDS 1143	Introduction to Project Management & Product Design	3
Spring Semester		
ENDS 2203	Strength of Materials	3
ENDS 2299	Design Capstone Project	3
ENGL 2205	Technical Report Writing	3
COMM 1115	Fundamentals of Effective Speech	3
--------------	General Elective (Humanities or Social Sciences)	3
Program Total		**64**

Aviation Maintenance - 470G
Associate of Applied Science Degree   **Total Credits: 65**

Nature of the Profession: Aviation mechanics repair and perform scheduled maintenance on airplanes and helicopters. They inspect aircraft as required by the Federal Aviation Administration (FAA).

Related Job Titles: Aviation Maintenance Technician, Aviation Mechanic, Sales and Service Technician, and FAA Certified Repairman.

COURSES   **CREDITS**

Fall Semester

AVIT	1101	Aircraft Operations and Preservation	3
AVIT	1102	Aircraft Maintenance Forms & Inspection Techniques	3
AVIT	1103	Aircraft Materials & Corrosion	3
AVIT	1104	Fundamentals of Electricity and Electronics	3
MATH	1120	Technical Mathematics	3

Spring Semester

AVIT	1201	Flight Controls, Rotorcraft & Inspection	3
AVIT	1202	Airframe Non-Metallic Structures	3
AVIT	1203	Aircraft Communications & Instruments	3
AVIT	1204	Aircraft Environmental, Ice, Rain, & Water Systems	3
PHYS	2201	General Physics I	4
PHYS	2211	General Physics I Lab	1

Fall Semester | Year 2

AVIT	2301	Aircraft Metallic Structures	4
AVIT	2302	Aircraft Fuel, Hydraulics, & Gear	4
AVIT	2303	Airframe Electricity & Fire Protection	4
ENGL	1101	English Composition I	3
SOCI	1170	Introduction to Sociology	3

Spring Semester | Year 2

AVIT	2401	Reciprocating Engines I	3
AVIT	2402	Reciprocating Engines II	3
AVIT	2403	Turbine Engines I	3
AVIT	2404	Turbine Engines II	3
PHIL	1107	Ethics	3

Program Total   **65**

Airframe Certificate - 470I

Total Credits: 36

Nature of the Profession: Aviation mechanics repair and perform scheduled maintenance on airplanes and helicopters. They inspect aircraft as required by the Federal Aviation Administration (FAA). The Airframe Certificate is the foundation of the maintenance technical role to maintain registered aircraft. The Airframe program must be completed before any FAA testing can occur as it also incorporates the general knowledge requirement.

Related Job Titles: Aviation Airframe Mechanic

COURSES		CREDITS
Fall Semester		
AVIT 1101	Aircraft Operations & Preservation	3
AVIT 1104	Fundamentals of Electricity and Electronics	3
AVIT 1103	Aircraft Materials and Corrosion	3
AVIT 1102	Aircraft Maintenance Forms & Inspection Techniques	3
Spring Semester		
AVIT 1203	Aircraft Communications & Instruments	3
AVIT 1202	Airframe Non-Metallic Structures	3
AVIT 1204	Aircraft Environmental, Ice, Rain, & Water Systems	3
AVIT 1201	Flight Controls, Rotorcraft, & Inspection	3
Fall Semester		
AVIT 2301	Airframe Metallic Structures	4
AVIT 2302	Aircraft Fuel, Hydraulics, & Gear	4
AVIT 2303	Airframe Electricity & Fire Protection	4
Program Total		**36**

Powerplant Certificate - 470J

Total Credits: 32

Nature of the Profession: Aviation mechanics repair and perform scheduled maintenance on airplanes and helicopters. They inspect aircraft as required by the Federal Aviation Administration (FAA). Works to diagnose, repair, and maintain aircraft and helicopter engines and assemblies.

Related Job Titles: Aviation Mechanic and Aviation Power Plant Technician .

COURSES		CREDITS
Fall Semester		
AVIT 1101	Aircraft Operations & Preservation	3
AVIT 1104	Fundamentals of Electricity and Electronics	3
AVIT 1103	Aircraft Materials and Corrosion	3
AVIT 1102	Aircraft Maintenance Forms & Inspection Techniques	3
MATH 1120	Technical Mathematics	3
Spring Semester		
AVIT 2401	Reciprocating Engines I	3
AVIT 2402	Reciprocating Engines II	3
AVIT 2403	Turbine Engines I	3
AVIT 2404	Turbine Engines II	3
PHYS 2201	*General Physics I (Algebra Based)	4
PHYS 2211	*General Physics I Lab (Algebra Based)	1
Program Total		**32**

Early Childhood Education - 485

Associate of Applied Science Degree   **Total Credits: 63**

Nature of the Profession: Early childhood professionals are responsible for planning daily programs, providing caring and nurturing environments, and utilizing community resources to enrich programs and to support the needs of young children and their families.

Related Job Titles: Pre-kindergarten Teacher, Associate Teacher, Preschool/Child Care Teacher, Nanny, Infant/Toddler Caregiver, or Children's Activities Coordinator for hospitals, group homes, resorts, etc.

Note: Successful completion of the Early Childhood Education program, along with a passing performance on the required state of Ohio exam, will permit graduates to obtain an Ohio Pre-K teaching license.

COURSES		CREDITS
Fall Semester		
EDUC 1140	Introduction to Early Childhood Education	3
EDUC 1145	Observation/Assessment of Children	3
EDUC 2234	Technology in Education	3
EDUC 1000	Introduction to Child Dev.	3
ENGL 1101	English Composition I	3
Spring Semester		
BIOL 1060	Environmental Science	3
EDUC 2243	Indiv. w/ Exceptionalities	3
EDUC 1118	Guiding Children's Behavior & Learning	3
EDUC 2219	Infant/Toddler Care and Education	3
EDUC 2230	Children's Literature with Reading Approaches	3
Fall Semester		
EDUC 1163	Social Studies for the Young Child	3
EDUC 2217	Science & Math Experiences for the Young Child	3
PSYC 1110	Principles of Psychology	3
EDUC 2215	Health/Physical Education for Children	3
FNAR 1104	Intro to Art	3
EDUC 1110	Art/Music for Young Child	3
Spring Semester		
EDUC 2228	Families, Communities, and Schools	3
PSYC 2241	Educational Psychology	3
EDUC 2240	Early Childhood Practicum	3
EDUC 2241	Early Childhood Seminar	3
MATH 1115	Math for the Business & Social Sciences	3
Program Total		**63**

Paraprofessional Education - 486

Associate of Applied Science Degree   **Total Credits: 64**

Nature of the Profession: Paraprofessionals work in schools and districts throughout Ohio and serve a critical role in supporting the delivery of high quality instruction for all children (from preschool through grade 12), especially those students considered at risk. Today's paraprofessionals (which may also be known as instructional assistants, special education aides, teaching assistants, or teaching/classroom aides) work alongside a professional under the direction of licensed teachers, as part of instructional teams, to support individual students and small groups of students to access and progress through challenging curricula aligned with Ohio's academic content and common core state standards.

General duties associated with a paraprofessional educator include the following:
- Assisting teachers in the classroom
- Supervising students outside of the classroom
- Providing administrative support for teaching
- Helping students understand and complete assignments
- Working with students who have special needs
- Performing clerical work for teachers as needed

COURSES		CREDITS
Fall Semester		
EDUC 1101	Introduction to Education	3
EDUC 2234	Technology in Education	3
ENGL 1101	English Composition I	3
PSYC 1110	Principles of Psychology	3
EDUC 1145	Observation/Assessment of Children	3
Spring Semester		
EDUC 1102	Foundations of Education	3
EDUC 1118	Guiding Children's Behavior & Learning	3
ENGL 1102	English Composition II	3
EDUC 2243	Ind. w/Exceptionalities	3
EDUC 1000	Introduction to Child Development	3
Fall Semester		
EDUC 2220	Foundation of Literacy	3
PHYS 1104	Physical Science - Geology	4
COMM 1115	Fundamentals of Effective Speech	3
EDUC 2260	Teach. in a Diverse Society	3
MATH 1115	Math for the Business & Social Sciences	3
FNAR 1104	Introduction to the Arts	3
Spring Semester		
EDUC 2228	Families, Communities, and Schools	3
PSYC 2241	Educational Psychology	3
EDUC 2225	Paraprofessional Seminar	3
EDUC 2224	Paraprofessional Practicum	3
BIOL 1060	Environmental Science	3
Program Total		**64**

Medical Assisting - 492
Associate of Applied Science Degree   **Total Credits: 60**

Nature of the Profession: The Medical Assistant is cross-trained to perform administrative and clinical duties in physician's offices, hospitals and other healthcare facilities. They may choose to work as a receptionist in a hospital or physician's office, a medical transcriptionist/scribe, insurance specialist, financial secretary, billing and collection specialist, laboratory assistant, or a clinical assistant involved in patient care. Duties vary with the location, specialty and needs/size of the practice.

Related Job Titles: Medical Receptionist, Computerized Medical Office Management, Medical Records Clerk, Medical Transcriptionist/Scribe, Clinical Assistant, Lab Assistant, Out-patient Clinic Medical Assistant, X-ray Aide, Health Coach/Manager, Patient Navigator, or Patient Care Coordinator.

Program Design: This program is a two-semester, accelerated program designed to be completed following the Step Pathway outline, as a full-time student. Graduates also earn the Medical Assistant Technology Certificate and may be eligible to complete stackable creden¬tialing exams upon successful program completion. All courses must be completed with a minimum grade of "C".

Program Criteria: Students interested in the Medical Assisting (MAST) Program must meet with the Program Director/Office Assistant to complete the program information packet and required documentation. The Medi¬cal Assisting Student Handbook details program requirements (available online). Completion of minimum course requirements does not guarantee a practicum placement (review BCI Information).

See the Student Handbook for the Medical Assisting Program requirements and policies pertaining to: GPA Requirements, Health Requirements, Required Immuniza¬tions/Tests, General Practicum Requirements, Background checks, etc.

It is strongly recommended for students within Medical Assisting/Allied Health Programs to meet with a program advisor every semester to ensure they are taking classes in sequence. Not meeting with a Medical Assisting program advisor may result in a student being unable to finish their degree in the expected timeframe.

Note: General Education Courses for the A.A.S. in Medical Assisting may be completed prior to, or following, the 492E Medical Assistant Technology Certificate.

Step 1 – Pathway to Medical Assistant Technician
After successful completion of semester courses, meet with the program director to discuss your options for completion of professional credentialing examinations offered by American Association of Medical Assistants (AAMA), American Medical Technologists (AMT), National Healthcareer Association (NHA).

COURSES   **CREDITS**

Fall Semester *(A-Term)* **| Year One**

MAST 1101	Introduction to Medical Assisting & Procedures	3
MAST 1111	Medical Administrative Procedures	3

Fall Semester *(B-Term)* **| Year One**

MAST 2240	Clinical Procedures	3
MAST 2218	Medical Billing & Coding	3

Fall Semester | Year One *(Full Semester)*

MAST 1115	Medical Terminology	2
ALTH 1160	Electronic Health Records	2

Spring Semester *(A-Term* **| Year One**

MAST 2215	Medical Lab. Techniques	3
MAST 2230	Pharmacology for Medical Assisting	3

Spring Semester *(B-Term)* **| Year One**

MAST 1126	Clinical Practicum I	1
MAST 2226	Clinical Practicum II	1

Spring Semester | Year One *(Full Semester)*

MAST 1118	Human Diseases	2
MAST 2205	Medical Law & Ethics	2
MAST 2297	Medical Assisting Review	2

Step 2 – Pathway to Associate of Applied Science in Medical Assisting (492)
After successful completion of semester courses, meet with the program director to discuss your options for completion of professional credentialing examinations offered by American Association of Medical Assistants (AAMA), American Medical Technologists (AMT), National Healthcareer Association (NHA). Some of the required AAS Pathway courses include online or hybrid offerings.

Fall Semester | Year Two

ACCT 1101	Principles of Fin. Acct.	3
BIOL 1510-1511	Anatomy & Physiology I	4
CSCI 1101	Computer Keyboarding	1
ENGL 1101	English Composition I	3
PSYC 1110	Principles of Psychology	3

Spring Semester | Year Two

BIOL 1520-1521	Anatomy & Physiology II	4
COMM 1115	Fund. of Effective Speech	3
ENGL 1102	English Composition II	3
MATH 1135	Allied Health Mathematics	3
PSYC 1111	Life Span & Human Dev.	3

Step 3 – Transfer Pathway to Bachelor Degree
Transfer to one of our Partner Universities for a Bachelor in Healthcare Management OR Bachelor in Healthcare Administration.

Program Total   **60**
Program Total does not include any pre-requisites.

Phlebotomy Technician - 492B

Certificate Program   **Total Credits: 30**

Nature of the Profession: A Phlebotomist is trained to work primarily in a hospital and is depended upon to acquire quality blood specimens from the patient by performing venipuncture and capillary sticks.

Related Job Titles: Phlebotomist, Phlebotomy Technician, Lab Assistant, Reference Lab Phlebotomist

Program Design: This program is designed to be completed in 2 semesters as a full-time student. A STEP-Pathway option is available for professional credentialing examinations. All courses must be completed with a minimum grade of "C".

Note: Meet with Program Director for an outline combining STEP 1 Spring Semester with STEP 2 Spring Semester outline of 492B Phlebotomy Technician Certificate (reducing 3-Semester outline to a 2-Semester outline)

Program Criteria: Students interested in the Allied Health (ALTH) Program must meet with the Program Director/Office Assistant to complete the program information packet and required documentation. The Allied Health Student Handbook details program requirements (available online). Completion of minimum course requirements does not guarantee a practicum placement (review BCI Information).

See the Student Handbook for the Phlebotomy Program/Allied Health Certificate Program requirements and policies pertaining to: GPA, Health Requirements, Required Immunizations/Tests, General Practicum Requirements, Background checks, etc.

Note: Meet with Program Director to discuss STEP Program Outline options combining program outlines for 492 Associate of Applied Science in Medical Assisting and/or 492E Medical Assistant Technology Certificate.

It is strongly recommended for students within Allied Health Sciences to meet with a program advisor every semester to ensure they are taking classes in sequence. Not meeting with an Allied Health Science program advisor may result in a student being unable to finish their degree in the expected timeframe. Health Requirements, Required Immunizations/Tests, General Practicum Requirements, Background checks, etc.

Gainful Employment Program Disclosure
This Title-IV-eligible certificate is subject to the US Department of Education gainful employment regulations. These regulations require that we make the gainful employment program disclosure information available to you so that you may make informed decisions about which program best meets your career path needs.

COURSES   **CREDITS**

Step 1 – Pathway to Phlebotomy Technician
After successful completion of semester courses, meet with the program director to discuss your options for completion of professional credentialing examinations offered through the American Society of Clinical Pathology (ASCP), the American Medical Technologists (AMT), the National Healthcareer Association (NHA).

Spring Semester

ALTH 2201	Phlebotomy Technology	3
ALTH 2225	Phlebotomy Practicum	1
ALTH 2220	Emergency Med. Pro.	3

Step 2 – Pathway to Phlebotomy Tech Certificate
Add Step 1 courses if not yet complete. Meet with the ALTH Program Director to discuss recommended course options for 1-year Full-time Status Outline.

Fall Semester | Year 1

BIOL 1510-1511	Anatomy & Physiology I	4
COMM 1115	Fund. of Effective Speech	3
ENGL 1101	English Composition I	3
MAST 1115	Medical Terminology	2
MATH 1135	Allied Health Mathematics	3

Spring Semester | Year 1

BIOL 1520-1521	Anatomy & Physiology II	4
MAST 1118	Human Diseases	2
MAST 2205	Medical Law & Ethics	2

Completion of the Phlebotomy Technician Certificate is stackable within the Medical Assistant Technology Certificate and the Associate of Applied Science in Medical Assisting Program. Some of the required courses include online offerings, allowing degree completion while working in the field.

Step 3 – Pathway to Associate of Applied Science in Medical Assisting (492)
Meet with the Program Director for a complete Program Outline for Associate of Applied Science in Medical Assisting – See Program 492/492E.

Step 4 – Pathway to Bachelor Degree
Transfer to one of our Partner Universities for a Bachelor Degree in Healthcare Management OR Bachelor Degree in Healthcare Administration.

Program Total   **30**
Program Total does not include any pre-requisites.

Medical Assistant Technology - 492E
Certificate Program   **Total Credits: 36**

Nature of the Profession: The Medical Assistant is cross-trained to perform administrative and clinical duties in physician's offices, hospitals and other healthcare facilities. They may choose to work as a receptionist in a hospital or physician's office, a medical transcriptionist/scribe, insurance specialist, financial secretary, billing and collection specialist, laboratory assistant, or a clinical assistant involved in patient care. Duties vary with the location, specialty and needs/size of the practice.

Related Job Titles: Medical Receptionist, Computerized Medical Office Management, Medical Records Clerk, Medical Transcriptionist/Scribe, Clinical Assistant, Lab Assistant, Out-patient Clinic Medical Assistant, X-ray Aide, Health Coach/Manager, Patient Navigator, or Patient Care Coordinator.

Program Design: This accelerated certificate program is designed to be completed in two semesters, in one academic year, as a full-time student. The certificate may also be used as a Step Pathway toward the A.A.S. in Medical Assisting. Graduates may be eligible to complete stackable credentialing exams upon success¬ful semester and/or program completion. All courses must be completed with a grade of "C"or better.

Program Criteria: Students interested in the Medical Assisting (MAST) Program must meet with the Program Director/ Office Assistant to complete the program information packet and required documentation. The Medi¬cal Assisting Student Handbook details program requirements (available online). Completion of minimum course requirements does not guarantee a practicum placement (review BCI Information).

See the Student Handbook for the Medical Assisting Program requirements and policies pertaining to: GPA Requirements, Health Requirements, Required Immuniza¬tions/Tests, General Practicum Requirements, Background checks, etc.

Note: Meet with Program Director to discuss STEP Program Outline options combining program outlines for 492 Associate of Applied Science in Medical Assisting and/or 492B Phlebotomy Technician Certificate.

It is strongly recommended for 492/492E Medical Assisting students to meet with a program advisor every semester to ensure they are taking classes in sequence. Not meeting with a Medical Assisting program advisor may result in a student being unable to finish their degree in the expected timeframe.

Gainful Employment Program Disclosure
This Title-IV-eligible certificate is subject to the US Department of Education gainful employment regulations. These regulations require that we make the gainful employment program disclosure information available to you so that you may make informed decisions about which program best meets your career path needs.

Step 1 – Pathway to Medical Assistant Technician Certificate
After successful completion of semester courses, meet with the program director to discuss your options for completion of professional credentialing examinations offered by American Association of Medical Assistants (AAMA), American Medical Technologists (AMT), National Healthcareer Association (NHA).

COURSES		CREDITS
Fall Semester *(A-Term)* **| Year One**		
MAST 1101	Intro. to Medical Assisting & Procedures	3
MAST 1111	Medical Administrative Procedures	3
Fall Semester *(B-Term)* **| Year One**		
MAST 2240	Clinical Procedures	3
MAST 2218	Medical Billing & Coding	3
**Fall Semester	Year One** *(Full Semester)*		
MAST 1115	Medical Terminology	2
ALTH 1160	Electronic Health Records	2
Spring Semester *(A-Term)* **| Year One**		
MAST 2215	Medical Laboratory Techniques	3
MAST 2230	Pharmacology for Medical Assisting	3
Spring Semester *(B-Term)*	Year One		
MAST 1126	Clinical Practicum I	1
MAST 2226	Clinical Practicum II	1
Spring Semester	Year One *(Full Semester)*		
MAST 1118	Human Diseases	2
MAST 2205	Medical Law & Ethics	2
MAST 2297	Medical Assisting Review	2

Step 2 – Pathway to A.A.S. Medical Assisting
Meet with the MAST Program Director to discuss recommended course options for program completion – See Program 492B/492E. Completion of the STEP Program 492E Medical Assistant Technology Certificate is stackable within the 492 AAS in Medical Assisting (see Year 2 below). Many of the required AAS Pathway courses include online or hybrid offerings.

Step 3 – Pathway to Bachelor Degree
Transfer to one of our Partner Universities for a Bachelor Degree in Healthcare Management OR Bachelor Degree in Healthcare Administration.

Program Total   **36**
Program Total does not include any pre-requisites.

Law Enforcement Major - 496A

Associate of Applied Science Degree   **Total Credits: 65**

Nature of the Profession: Law Enforcement Professionals work in a variety of environments which require the ability to conduct investigations, to provide security and service, and to communicate with varied constituencies. A broad working knowledge of criminal and civil law, especially in regard to police procedure, is required. A large number of new and replacement personnel in Law Enforcement are projected to be needed for the next decade.

Related Job Titles: Patrol Officer, Detective, Bailiff, Criminal Investigator, Sheriff and Sheriff's Deputy.

COURSES		CREDITS
Fall Semester - First Year		
ENGL 1101	English Composition I	3
PSCI 1104	American Government I	3
CJUS 1101	Introduction to Law Enforcement	4
CJUS 2233	Criminal Investigation	2
SOCI 2230	Social Problems	3
SOCI 2231	Juvenile Delinquency	2
Spring Semester - First Year		
MATH 1115	Math for the Business & Social Sciences(or higher)	3
ENGL 1102	English Composition II	3
PSCI 1105	American Government II	3
CJUS 2234	Constitutional Criminal Procedures	3
CJUS 2245	*Crime Scene Investigation	3
PHIL 1107	Ethics	3
Fall Semester - Second Year		
CJUS 2236	Current Issues in Criminal Justice	3
CJUS 1102	*Basic Law Enforcement I	9
COMM 1115	Fundamental of Effective Speech	3
Spring Semester - Second Year		
CJUS 2241	Comparative Criminal Justice Systems	3
PSYC 1110	Principles of Psychology	3
CJUS 1103	*Basic Law Enforcement II	9
Program Total		**65**