

ASSOCIATE OF SCIENCE (AS)

The Associate of Science (AS) degree is designed for students who plan to transfer and complete a Bachelor of Science degree at a four-year institution. The degree requirements allow students more flexibility in course selection, allowing them to focus on their discipline requirements.

NOTE: Completion of this degree does not guarantee that all lower division general education requirements have been met for a bachelor's degree (i.e., this is not a block transfer degree as is the AAOT). In selecting courses for this degree, students are highly encouraged to consult the specific transfer curriculum pages in this catalog, an advisor, and the institution to which they intend to transfer in order to determine if it is an appropriate choice.

GRADUATION REQUIREMENTS

Students must complete a minimum of 90 credit hours of specified courses with a cumulative Grade Point Average (GPA) of 2.0 or better. All courses must be completed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the degree is awarded.

Complete elective courses to reach a total of 90 credits. The courses must be numbered 100 or above. Career technical courses may only be applied to the AS degree in the following curricula which are governed by formal transfer agreements with four-year universities and are part of a current, formal transfer agreement with a four-year institution. Career technical courses offered at Southwestern are designated by "CTE" in the course description section of this catalog. All Honors courses may substitute for their equivalent requirements.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

GENERAL EDUCATION REQUIREMENTS

All courses must be completed with a grade of 'C' or better.

WRITING

Eight (8) credits of writing are required, so choose **two (2) courses** from below. Information Literacy will be included in the writing requirement:

Code	Title	Credits
WR121Z	Composition I	4
WR122Z	Composition II	4
or WR227Z	Technical Writing	

COMMUNICATION

One (1) course taken from:

Code	Title	Credits
COMM100Z	Introduction to Communication	4
COMM111Z	Public Speaking	4
COMM218Z	Interpersonal Communication	4
COMM219	Small Group Discussion	4

MATHEMATICS

Select four (4) credit hours of college-level mathematics from MTH105 or higher, excluding MTH211.

HEALTH, WELLNESS, AND FITNESS

Three (3) credits of health/PE: Three (3) credits of PE185 sport/activity courses or HE250 or PE231.

DISTRIBUTION REQUIREMENTS

Complete six (6) credits from each of the following Related Area of Instruction Requirements. All courses must be completed with a grade of 'C' or better.

ARTS AND LETTERS

Six (6) credit hours from:

Only second year foreign language may be used to fulfill the Arts and Letters requirement.

Code	Title	Credits
ART115	Basic Design I Intro to Elements of Art and Principles of Design	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Design	4
ART131	Introduction to Drawing I	3
ART132	Introduction to Drawing II	3
ART133	Introduction to Drawing III	3
ART191	Beginning Sculpture	3
ART192	Beginning Sculpture	3
ART204	History of Western Art: Introduction to Art History	3
ART205	History of Western Art: Introduction to Art History	3
ART206	History of Western Art: Introduction to Art History	3
ART244	Bronze Casting	3
ART253	Ceramics I	3
ART256	Ceramics II	3
ART281	Painting I Beginning	3
ART282	Painting II Beginning	3
ART283	Painting III Beginning	3
ART284	Painting I Intermediate	3
ART285	Painting II Intermediate	3
ART286	Painting III Intermediate	3
ASL201	2nd Yr American Sign Language I	4
ASL202	2nd Yr American Sign Language II	4
ASL203	2nd Yr American Sign Language III	4
COMM100Z	Introduction to Communication	4
COMM111Z	Public Speaking	4
COMM218Z	Interpersonal Communication	4
COMM219	Small Group Discussion	4
COMM220	Gender And Communication	4
ENG104Z	Introduction To Fiction	4
ENG105Z	Introduction To Drama	4
ENG106Z	Introduction To Poetry	4
ENG107	World Literature	3

ENG108	World Literature	3	ANTH232	Native North Americans	3
ENG109	World Literature	3	CJ101	Intro to Criminology	4
ENG201	Shakespeare	3	ECON201Z	Principles of Microeconomics	4
ENG204	Survey of English Literature	3	ECON202Z	Principles of Macroeconomics	4
ENG205	Survey of English Literature	3	ED169	Overview of Student Special Needs	3
ENG206	Survey of English Literature	3	ED258	Multicultural Education	3
ENG253	Survey of American Literature	3	GEOG105	Cultural Geography	3
ENG254	Survey of American Literature	3	HDFS140	Contemporary American Families	3
ENG255	Survey of American Literature	3	HDFS222	Understanding Families: Supporting Diversity Disability and Risk	3
HUM204	World Mythology & Religion	3	HDFS229	Child Development PreK - Adolescent	3
HUM205	World Mythology & Religion	3	HDFS247	Child Development 0-8	3
HUM206	World Mythology & Religion	3	HST101	History of Western Civilization	3
MUS101	Music Fundamentals	3	HST102	History of Western Civilization	3
MUS111	Music Theory I	3	HST103	History of Western Civilization	3
MUS112	Music Theory II	3	HST104	History of the Middle East	3
MUS113	Music Theory III	3	HST195	History of the Vietnam War	3
MUS201	Intro to Music and its Literature	3	HST201	History of the United States	3
MUS202	Intro to Music and its Literature	3	HST202	History of the United States	3
MUS203	Intro to Music and its Literature	3	HST203	History of the United States	3
MUS205	Intro to Jazz History	3	HST240	Hist of Oregon and the South Coast	3
MUS206	Intro to History of Rock and Roll	3	PS201	American Government: Political Institutions	3
MUS211	Advanced Music Theory I	3	PS202	American Government: Policy Issues	3
MUS212	Advanced Music Theory II	3	PS203	Local Politics and Government	3
MUS213	Advanced Music Theory III	3	PS205	International Relations: US Foreign Policy in the 20th Century	3
PHL101	Introduction to Philosophy: Philosophical Problems	3	PSY100	Introduction to Psychology	4
PHL102	Ethics	3	PSY201Z	Introduction to Psychology I	4
PHL103	Intro to Logic and Critical Thnkg	3	PSY202Z	Introduction to Psychology II	4
SPAN201	Second Year Spanish	4	PSY216	Social Psychology	3
SPAN202	Second Year Spanish	4	PSY228	Introduction to Social Science Research	3
SPAN203	Second Year Spanish	4	PSY231	Human Sexuality	3
WR241	Imaginative Creative Writing Fiction	3	PSY237	Life Span Development	3
WR242	Imaginative Writing Poetry	3	PSY239	Introduction to Abnormal Psychology	3
WR243	Imaginative Creative Writing - Play	3	SOC204Z	Introduction to Sociology	4
TA141	Acting I	3	SOC205Z	Social Change and Institutions	4
TA142	Acting II	3	SOC206Z	Social Problems	4
TA143	Acting Iii	3	SOC208	Sociology of Sport	3
TA153	Rehearsal/Performnc	3	SOC210	Marriage and Family	3
			SOC213	Racial and Ethnic Relations	3
			SOC218	Sociology of Gender	3

SOCIAL SCIENCES

Six (6) credit hours from:

Code	Title	Credits
ANTH201	Physical Anthropology and Evolution	3
ANTH202	Introduction to Archaeology	3
ANTH203	Language and Culture	3
ANTH221	Intro to Cultural Anthropology	3
ANTH222	Cultural Anthropology II	3
ANTH223	Cultural Anthropology III	3
ANTH224	Intro to Medical Anthropology	3
ANTH230	Native North Americans: Oregon	3
ANTH231	Native North Americans: PNW	3

SCIENCE/MATHEMATICS/COMPUTER SCIENCE

Six (6) credit hours from:

Laboratory Courses

Code	Title	Credits
BI101	General Biology	4
BI102	General Biology	4
BI103	General Biology	4
BI142	Habitats: Marine Biology	4
BI221Z	Principles of Biology: Cells	5

BI222Z	Principles of Biology: Organisms
BI223Z	Principles of Biology: Ecolo/Evolut
BI231	Human Anatomy and Physiology I
BI232	Human Anatomy and Physiology II
BI233	Human Anatomy and Physiology III
BI234	Microbiology
CHEM221Z	General Chemistry I (must also take CHEM227Z)
CHEM227Z	General Chemistry I Laboratory
CHEM222Z	General Chemistry II (must also take CHEM228Z)
CHEM228Z	General Chemistry II Laboratory
CHEM223Z	General Chemistry III (must also take CHEM229Z)
CHEM229Z	General Chemistry III Laboratory
ENV235	Introduction to Soil Science
G201	Physical Geology I
G202	Physical Geology II
G203	Historical Geology
GS104	Physical Science
GS105	Physical Science
GS106	Introduction to Earth Science
GS107	Astronomy
GS108	Oceanography
NR260	Watershed Processes
PH201	General Physics I: Mechanics
PH202	General Physics II: Heat, Waves, Relativity
PH203	Gen Physics III: Elect & Magnetism
PH211	General Physics with Calculus I
PH212	General Physics with Calculus II
PH213	General Physics with Calculus III

Non-Laboratory Courses

Code	Title	Credits
BI140	Practical Ecology	3
BI149	Introduction to Human Genetics	3
CHEM110	Foundations of General, Organic, and Biochemistry	4
CS160	Introduction To Computer Science	4
CS161	Computer Science I	4
CS162	Computer Science II	4
CS260	Data Structures	4
ENV110	Introduction Environmental Science	3
G221	General Geology	3
G246	Geological Hazards And Natural Catastrophes	3
MTH105Z	Math in Society	4
MTH111Z	Pre-Calculus	4
MTH112Z	Precalculus II: Trigonometry	4
MTH212	Fundamentals of Elementary Mathematics II	4
MTH213	Fundamentals of Elementary Mathematics III	4
MTH231	Elements of Discrete Mathematics I	4
MTH232	Elements of Discrete Mathematics II	4
MTH241	Calculus for Bus and Soc Science I	4
MTH242	Calculus for Bus and Soc Science II	4
MTH244	Probability & Statistics II	4

5	MTH251Z	Differential Calculus	4
5	MTH252Z	Integral Calculus	4
4	MTH253Z	Calculus: Sequences and Series	4
4	MTH254	Vector Calculus I	4
4	MTH255	Vector Calculus II	4
4	MTH256	Differential Equations	4
4	MTH260	Matrix Methods and Linear Algebra	4
1	MTH264	Introduction to Matrix Algebra and Power Series	4
4	STAT243Z	Elementary Statistics I	4

ELECTIVES

- All courses must be completed with a grade of 'C' or better.
- Students may take any college-level course that would bring total credits to 90 credit hours. Career and technical education courses may only be applied to the AS degree in the designated emphasis areas which are governed by agreements with four-year universities and are part of a current, formal transfer agreement with a four-year institution (see specific catalog program page).
- A maximum of nine (9) credits of PE185 sport/activity courses may be applied to the AS degree.
- Three (3) credit hours of PE185 sport/activity courses may be granted toward an AS degree for completion of military basic training. A copy of the military transcript or DD-214 is required.
- Courses numbered 199/299 will qualify as elective credit only.
- A maximum of 45 credits is allowed for basic, developmental, or supportive courses under federal financial aid guidelines.

Students graduating from Southwestern with a two-year degree are expected to have gained the knowledge, skills and attitudes (dispositions) and to demonstrate competency for the following institutional general learning outcomes:

COMMUNICATION

Students completing a degree will be able to demonstrate effective knowledge, skills, and attitudes in reading, writing, speaking, and listening, presentation of self and information.

COMPUTATION

Students completing a degree will be able to demonstrate effective knowledge, skills, and attitudes in technology skills, computer proficiency, math proficiency, decision analysis (synthesis & evaluation), understanding of and ability to apply mathematical concepts and reasoning, analyzing and using numerical data.

CREATIVE, CRITICAL AND ANALYTICAL THINKING

Students completing a degree will be able to demonstrate effective knowledge, skills and attitudes using curiosity, learning strategies, information gathering, analysis, synthesis, evaluation, creativity, research, and problem solving.

COMMUNITY/GLOBAL CONSCIOUSNESS AND RESPONSIBILITY

Students completing a degree will be able to demonstrate effective knowledge, skills, and attitudes involving respect, citizenship, cultural awareness, interpersonal skills, ethics, lifelong learning, community service, self-esteem, integrity, and empathy.