

# 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
WR121	English Composition	4
WR122	English Composition	4
or WR227	Report Writing	

### COMMUNICATION

**One (1) course** taken from:

Code	Title	Credits
SP100	Basic Speech Communications	3
SP111	Fundamentals of Public Speaking	3
SP218	Interpersonal Communication	3
SP219	Small Group Discussion	3

## 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 Desgn	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
ART225	Computer Art I	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
ENG104	Introduction to Literature Fiction	3
ENG105	Introduction to Literature Drama	3
ENG106	Introduction to Literature Poetry	3
ENG107	World Literature	3
ENG108	World Literature	3
ENG109	World Literature	3
ENG201	Shakespeare	3
ENG204	Survey of English Literature	3

ENG205	Survey of English Literature	3	ANTH231	Native North Americans: PNW	3
ENG206	Survey of English Literature	3	ANTH232	Native North Americans	3
ENG253	Survey of American Literature	3	CJ101	Intro to Criminology	4
ENG254	Survey of American Literature	3	ECON201	Microeconomics	4
ENG255	Survey of American Literature	3	ECON202	Macroeconomics	4
HUM204	World Mythology & Religion	3	ED169	Overview of Student Special Needs	3
HUM205	World Mythology & Religion	3	ED258	Multicultural Education	3
HUM206	World Mythology & Religion	3	GEOG105	Cultural Geography	3
MUS101	Music Fundamentals	3	HDFS140	Contemporary American Families	3
MUS111	Music Theory I	3	HDFS222	Understanding Families: Supporting Diversity Disability and Risk	3
MUS112	Music Theory II	3	HDFS229	Child Development PreK - Adolescent	3
MUS113	Music Theory III	3	HDFS247	Child Development 0-8	3
MUS201	Intro to Music and its Literature	3	HST101	History of Western Civilization	3
MUS202	Intro to Music and its Literature	3	HST102	History of Western Civilization	3
MUS203	Intro to Music and its Literature	3	HST103	History of Western Civilization	3
MUS205	Intro to Jazz History	3	HST104	History of the Middle East	3
MUS206	Intro to History of Rock and Roll	3	HST195	History of the Vietnam War	3
MUS211	Advanced Music Theory I	3	HST201	History of the United States	3
MUS212	Advanced Music Theory II	3	HST202	History of the United States	3
MUS213	Advanced Music Theory III	3	HST203	History of the United States	3
PHL101	Introduction to Philosophy: Philosophical Problems	3	HST240	Hist of Oregon and the South Coast	3
PHL102	Ethics	3	PS201	American Government: Political Institutions	3
PHL103	Intro to Logic and Critical Thnkg	3	PS202	American Government: Policy Issues	3
SP100	Basic Speech Communications	3	PS203	Local Politics and Government	3
SP111	Fundamentals of Public Speaking	3	PS205	International Relations: US Foreign Policy in the 20th Century	3
SP218	Interpersonal Communication	3	PSY100	Introduction to Psychology	4
SP219	Small Group Discussion	3	PSY201	General Psychology	3
SP220	Gender and Communication	3	PSY202	General Psychology	3
SPAN201	Second Year Spanish	4	PSY203	General Psychology	3
SPAN202	Second Year Spanish	4	PSY216	Social Psychology	3
SPAN203	Second Year Spanish	4	PSY228	Introduction to Social Science Research	3
WR241	Imaginative Creative Writing Fiction	3	PSY231	Human Sexuality	3
WR242	Imaginative Writing Poetry	3	PSY237	Life Span Development	3
WR243	Imaginative Writing Explorations	3	PSY239	Introduction to Abnormal Psychology	3
TA141	Acting I	3	SOC204	Introduction to Sociology	3
TA142	Acting li	3	SOC205	Social Institutions and Change	3
TA143	Acting lii	3	SOC206	Social Problems and Issues	3
TA153	Rehearsal/Performnc	3	SOC208	Sociology of Sport	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

## 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	MTH251	Calculus I Differential Calculus	4
BI201	Introductory Biology	4	MTH252	Calculus II Integral Calculus	4
BI202	Introductory Biology	4	MTH253	Calculus III Infinite Sequences And Series	4
BI203	Introductory Biology	4	MTH254	Vector Calculus I	4
BI231	Human Anatomy and Physiology I	4	MTH255	Vector Calculus II	4
BI232	Human Anatomy and Physiology II	4	MTH256	Differential Equations	4
BI233	Human Anatomy and Physiology III	4	MTH260	Matrix Methods and Linear Algebra	4
BI234	Microbiology	4	MTH264	Introduction to Matrix Algebra and Power Series	4
CHEM221	General Chemistry I	5			
CHEM222	General Chemistry II	5			
CHEM223	General Chemistry III	5			
ENV235	Introduction to Soil Science	4			
G201	Physical Geology I	4			
G202	Physical Geology II	4			
G203	Historical Geology	4			
GS104	Physical Science	4			
GS105	Physical Science	4			
GS106	Introduction to Earth Science	4			
GS107	Astronomy	4			
GS108	Oceanography	4			
NR260	Watershed Processes	4			
PH201	General Physics I: Mechanics	5			
PH202	General Physics II: Heat, Waves, Relativity	5			
PH203	Gen Physics III: Elect & Magnetism	5			
PH211	General Physics with Calculus I	5			
PH212	General Physics with Calculus II	5			
PH213	General Physics with Calculus III	5			

### 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	Computer Science Orientation	4
CS161	Introduction to Computer Science I	4
CS162	Introduction to Computer Science II	4
CS261	Data Structures	4
ENV110	Introduction Environmental Science	3
G221	General Geology	3
G246	Geological Hazards And Natural Catastrophes	3
MTH105	Math in Society	4
MTH111	College Algebra	4
MTH112	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
MTH243	Intro to Probability and Statistics	4
MTH244	Probability & Statistics II	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.