

Associate of Science

Program Description

The Associate of Science degree requires completion of 60 credit hours. Although students often have the option of entering a career field upon completion of the Associate of Science degree, this degree plan is primarily designed to provide the first two years of coursework to prepare students for transfer into a related upper division baccalaureate degree program. The Associate of Science degree is the appropriate degree plan for students who major in fields with heavy requirements in mathematics and science. The Associate of Science degree is intended for students specializing in engineering, engineering technology, industrial technology, agriculture, health professions, mathematics, or science.

Thirty-five hours of coursework are concentrated in general education. At Yavapai College the Arizona General Education Curriculum (AGEC-S) is embedded in the Associate of Science degree. Arizona General Education (AGEC) special requirements incorporate additional university requirements in Intensive Writing/Critical Inquiry (IWR), Ethnic/Race/Gender (ERG) awareness, and Global/International and Historical (GIH) awareness areas. Upon completion of all 35 credit hours (including the special requirements) of the AGEC with a grade of "C" or higher, the student will receive recognition of completion on the transcript and guaranteed transferability of the AGEC upon admission to one of the state universities in Arizona.

The core curriculum consists of three parts: (A) Foundation Studies include critical literacy, precise writing, qualitative thinking, and the process of analysis and synthesis that underlie logical reasoning; (B) Area Studies link foundation skills in thinking and communicating and the core emphasis on conceptual frameworks to the content orientation of academic disciplines; (C) Other Requirements.

Three credit hours of communications coursework are required for this degree. Twenty-two credit hours of coursework in this degree are in major and elective studies. This aspect of the degree affords the student an opportunity to begin work on a major area of study.

Students preparing to transfer to an upper-division baccalaureate degree program should contact an advisor in the major field of study at the transfer institution in addition to meeting regularly with a faculty advisor and/or counselor at Yavapai College. Regular advisement is important to build an educational plan and ensure transferability of general education, elective, and major courses. Students intending to transfer to one of the Arizona public universities can obtain specific information on transferability of courses from the Course Equivalency Guide and curriculum transfer guides available from academic advisors. Transfer guides are also available from each university's web site.

Note:

****AGEC Special Awareness Requirements Students must complete a course from each of the following areas: Intensive Writing/Critical Inquiry (IWR) • Ethnic/Race/Gender (ERG) awareness Global/International or Historical (GIH) awareness***

Program Contacts

- Prescott Advising: Prescott Academic Advising (academic.advising@yc.edu), telephone: (928) 776-2106
- Verde Advising: Verde Valley Academic Advising (academic.advising@yc.edu), telephone: (928) 634-6510
- Dean: Scott Farnsworth (scott.farnsworth@yc.edu), telephone: (928) 776-2234

Program Requirements

A minimum of 60 credit hours is required to complete the Associate of Science Degree.

Course	Course Title	Credit Hours
I. General Education (35 credits)		
A. Foundation Studies (9 credits)		

Course	Course Title	Credit Hours
1. College Composition (6 credits)		
	ENG101 College Composition I	3
OR	ENG103 College Composition I Honors	3
	ENG102 College Composition II	3
OR	ENG104 College Composition II Honors	3
2. Numeracy (3 credits)		
	MAT220 Calculus & Analytic Geometry I	5
OR	MAT230 Calculus & Analytic Geometry II	5
OR	MAT241 Calculus III	4
OR	MAT262 Elementary Differential Equations	3
B. Area Studies (20 credits)		
1. Physical and Biological Science (8 credits)		
Complete one of the following two-course sequences appropriate to your major:		
	BIO181 General Biology I	4
AND	BIO182 General Biology II	4
	CHM151 General Chemistry I	5
AND	CHM152 General Chemistry II	5
	PHY111 General Physics I	4
AND	PHY112 General Physics II	4
	PHY150 Physics Scientists/Engineer I	5
AND	PHY151 Physics Scientists/Engineer II	5
2. Arts and Humanities (6 credits)		
Choose from Approved List		
3. Behavioral Science (3 credits)		
Choose from Approved List		
4. Social Science (3 credits)		
Choose from Approved List		
C. Other Requirements (6-8 credits)		
1. Select 2 other courses based on your major from the following list:		
	BIO181 General Biology I	4
	BIO182 General Biology II	4
	BIO201 Human Anatomy & Physiology I	4
	BIO202 Human Anatomy & Physiology II	4
	BIO205 Microbiology	4
	CHM151 General Chemistry I	5
	CHM152 General Chemistry II	5
	CHM235 General Organic Chemistry I	4
AND	CHM235L Gen Organic Chemistry I Lab	1
	CHM236 General Organic Chemistry II	4
AND	CHM236L Gen Organic Chemistry II Lab	1
	GEO103 Intro Physical Geography	4
	GEO212 Intro to Meteorology	4
	GLG101 Intro to Geology I	4
	GLG102 Intro to Geology II	4
	MAT230 Calculus & Analytic Geometry II	5
	MAT241 Calculus III	4
	MAT262 Elementary Differential Equations	3
	PHY111 General Physics I	4
	PHY112 General Physics II	4
	PHY150 Physics Scientists/Engineer I	5
	PHY151 Physics Scientists/Engineer II	5
II. Communications Requirement (3 credits)		
	COM100 Intro Human Communication	3
OR	COM131 Fund Speech Communication	3
OR	COM134 Interpersonal Communication	3
OR	COM271 Small Group Communication	3
III. Major and Elective Studies - Select 22 credits from the following list:		
	AGS103 Plant Biology	4
OR	BIO103 Plant Biology	4
	BIO105 Environmental Biology	4
OR	ENV105 Environmental Biology	4
	BIO181 General Biology I	4
	BIO182 General Biology II	4
	BIO201 Human Anatomy & Physiology I	4
	BIO202 Human Anatomy & Physiology II	4
	BIO205 Microbiology	4
	CHM151 General Chemistry I	5
	CHM152 General Chemistry II	5
	CHM235 General Organic Chemistry I	4

(Program Requirements continued on next page...)

	Course	Course Title	Credit Hours
AND	CHM235L	Gen Organic Chemistry I Lab	1
	CHM236	General Organic Chemistry II	4
AND	CHM236L	Gen Organic Chemistry II Lab	1
	ENV110	Environmental Geology	4
OR	GLG110	Environmental Geology	4
	GEO103	Intro Physical Geography	4
	GEO212	Intro to Meteorology	4
	GLG101	Intro to Geology I	4
	GLG102	Intro to Geology II	4
	MAT187	Precalculus	5
	MAT230	Calculus & Analytic Geomtry II	5
	MAT241	Calculus III	4
	MAT262	Elementary Differential Equatn	3
	PHY111	General Physics I	4
	PHY112	General Physics II	4
	PHY150	Physics Scientists/Engineer I	5
	PHY151	Physics Scientists/Engineer II	5