

202005 ASSOCIATE OF SCIENCE

C E R 1ST YEAR							
FALL SEMESTER				Online	Credit Hours	Prerequisites	
			3300:111	English Composition I		3	Placement by advisor
				Quantitative Reasoning Requirement (note a.)		3	Placement by advisor
				Natural Science Requirement (note b.)		4	
				Social Science Requirement (note c.)		3	
				Electives (note e, f.)		2	
						15 Total	
SPRING SEMESTER							
			3300:112	English Composition II		3	3300:111
				Natural Science Requirement (note b.)		3	
				Social Science Requirement (note c.)		3	
				Electives (note e, f.)		6	
						15 Total	
C E R 2ND YEAR							
FALL SEMESTER				Online	Credit Hours	Prerequisites	
			7600:105	Introduction to Public Speaking OR Effective Oral Communication		3	
			7600:106				
				Arts and Humanities Requirement (note d.)		3	
				Electives (see note e, f.)		9	
						15 Total	
SPRING SEMESTER							
				Arts and Humanities Requirement (note d.)		6	
				Electives (note e, f.)		9	
						15 Total	
C = Completed E = Exempt R = Required						TOTAL CREDITS - 60	

NOTES

- a. The quantitative reasoning requirement varies by department. Please consult an advisor for specific requirements. (Students enrolling in a higher-level mathematics course may use it to meet their Quantitative Reasoning requirement)

2030:152, 153	Technical Mathematics II, III (approved for WWW)	4	(Must complete <u>both</u> courses)
2030:161	Mathematics for Modern Technology (approved for WWW)	4	
3450:135	Mathematics for Everyday Life	3	
3450:145	Algebra for Calculus (approved for WWW)	4	
3450:149	Precalculus Mathematics	4	
3470:250	Statistics for Everyday Life	4	
3470:260	Basic Statistics (approved for WWW)	3	
3470:261, 262	Introduction to Statistics I, II	4	(Must complete <u>both</u> courses)

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- b. A minimum of seven credits of natural science is required. One course must have a laboratory component. However, departmental requirements may vary. Please consult an advisor for specific information. (Students in higher-level science courses with a lab may use those courses to meet their General Education requirements.)

2780:106	Anatomy and Physiology for Allied Health I	3	(approved for WWW)
2780:107	Anatomy and Physiology for Allied Health II	3	(approved for WWW)
2820:105	Basic Chemistry / Lab	3	
2820:111	Introductory Chemistry / Lab	3	
2820:112	Introductory and Analytical Chemistry / Lab	3	
2820:160	Technical Physics - Mechanics / Lab	4	
2820:163	Technical Physics - Electricity & Magnetism	2	
2820:164	Technical Physics - Heat & Light	2	
3100:103	Natural Science - Biology / Lab	4	
3100:106	Exploring Biology	3	(approved for WWW)
3150:101	Chemistry for Everyone / Lab	4	
3230:151	Human Evolution / Lab	4	
3370:100	Earth Science	3	(approved for WWW)
3370:101	Introduction to Physical Geology / Lab	4	
3370:121	Dinosaurs	1	
3370:122	Mass Extinctions & Geology	1	
3370:133	Caves	1	
3370:135	Geology of Energy Resources	1	
3370:171	Introduction to Oceans	3	
3370:200	Environmental Geology	3	
3370:201	Exercises in Environmental Geology I / Lab	1	
3370:203	Exercises in Environmental Geology II / Lab	1	
3370:211	Introduction to Environmental Science	3	
3650:130	Descriptive Astronomy / Lab	4	
3650:133	Music, Sound, & Physics / Lab	4	
3650:137	Light / Lab	4	
7760:133	Nutrition Fundamentals	3	

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NOTES (continued)

c. Students may satisfy the social sciences requirement by completing two courses totaling six credits. The courses can be from the same department or different ones. Please consult an advisor for specific information.

2040:240	Human Relations	3	(approved for WWW)
2040:242	American Urban Society	3	(approved for WWW)
2040:243	Contemporary Global Issues	3	(GD*)
2040:244 / 344	Death and Dying	3	(DD*) (approved for WWW)
2040:247	Survey of Basic Economics	3	(CT*) (approved for WWW)
2040:254	The Black Experience 1619-1877	2	(DD*)
2040:256	Diversity in American Society	2	(DD*) (approved for WWW)
2040:257	The Black Experience 1877-1954	2	(DD*)
2040:258	The Black Experience 1954-Present	2	(DD*)
3230:150	Human Cultures	3	(approved for WWW)
3230:251	Human Diversity	3	(GD*)
3240:100	Introduction to Archaeology	3	
3250:100	Introduction to Economics	3	
3250:200	Principles of Microeconomics	3	(approved for WWW)
3250:244	Introduction to Economic Analysis	3	(approved for WWW)
3350:100	Introduction to Geography	3	(approved for WWW)
3400:250	United States History to 1877	4	(DD*) (approved for WWW)
3400:251	United States History since 1877	4	(DD*) (approved for WWW)
3700:100	Government and Politics in the United States	3	(approved for WWW)
3700:150	World Politics and Governments	3	
3750:100	Introduction to Psychology	3	(approved for WWW)
3850:100	Introduction to Sociology	3	(DD*) (approved for WWW)

* Fulfills Domestic Diversity (DD) or Global Diversity (GD) tag requirement

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NOTES (continued)

d. Students must take at least one Arts course and at least one Humanities course. The second Arts or Humanities course may be in the same department or in a different one.

ARTS - at least one course			
3300:283	Film Appreication	3	
7100:100	Survey of History Art I	3	(CT*)
7100:101	Survey of History of Art II	3	(GD*)
7100:210	Visual Arts Awareness	3	
7500:201	Exploring Music, Bach to Rock	3	(approved for WWW)
7800:100	Experiencing Theatre	3	
7800:264	Playscript and Performance Analysis	3	
7900:200	Viewing Dance	3	
HUMANITIES - at least one course			
3200:230	Sports and Society in the Ancient World	3	
3200:289	Mythology of Ancient Greece	3	
3300:252	Shakespeare and his World	3	
3300:281	Fiction Appreciation	3	
3400:200	Empires of the Ancient World	3	(GD*)
3400:210	Humanities in the Western Tradition	4	(CT*)
3400:221	Humanities in the World Since 1300	4	(CT*)
3501:210	Arabic Culture through Film	3	(approved for WWW)
3502:210	Chinese Culture through Film	3	
3560:210	Japanese Culture through Film	3	(GD*)
3580:250	Hispanic Literature in Translation	3	
3600:101	Introduction to Philosophy	3	(CT*)
3600:120	Introduction to Ethics	3	(CT*) (approved for WWW)
3600:125	Theory and Evidence	3	(CT*)
3600:150	Critical Thinking	3	(CT*) (approved for WWW)
3600:170	Introduction to Logic	3	(CT*) (approved for WWW)
3600:211	History of Ancient Philosophy	3	(CT*)

* Fulfills Global Diversity (GD) or Critical Thinking (CT) tag requirement

e. In the arts program, a student is free to choose any electives, but they must be in some logical sequence. They should lead to some upper-college degree program, i.e., arts and sciences, education, health sciences and human services, or creative and professional arts.

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f. The third tier of General Education promotes critical thinking and personal, social, and environmental responsibility. Because tagged courses may meet disciplinary area and major/minor requirements, most students will fulfill Tier III requirements without additional credit hours. These courses can also be used to fulfill electives for the Associate of Arts degree. Please consult an advisor for specific information.

To complete this tier, students take four tagged courses, one in each area.

CRITICAL THINKING (CT) - one course			
2030:255	Technical Calculus I	3	
2040:240	Human Relations	3	(SS*) (approved for WWW)
2040:247	Survey of Basic Economics	3	(SS*)
2040:349	Integrated Human Behavior and Health	3	
3100:423	Population Biology	3	
3100:486	Cell Physiology Laboratory	2	
3230:359	Anthropological Theory	3	
3240:400	Archaeological Theory	3	
3250:226	Computer Skills for Economic Analysis	3	
3250:380	Money and Banking	3	
3250:400	Intermediate Macroeconomics	3	
3250:410	Intermediate Microeconomics	3	
3250:426	Applied Econometrics	3	
3300:300	Critical Reading & Writing	3	
3370:231	Silicate Mineralogy and Petrology	4	
3370:350	Structural Geology	4	
3370:444	Environmental Magnetism	3	
3400:210	Humanities in the Western Tradition	4	(HUM*)
3400:221	Humanities in the World Since 1300	4	(HUM*)
3400:323	History of Modern Europe	3	
3600:101	Introduction to Philosophy	3	(HUM*)
3600:120	Introduction to Ethics	3	(HUM*)
3600:125	Theory and Evidence	3	(HUM*)
3600:150	Critical Thinking	3	(HUM*)
3600:170	Introduction to Logic	3	(HUM*)
3600:211	History of Ancient Philosophy	3	(HUM*)
3600:312	History of Medieval Philosophy	3	
3600:313	History of Modern Philosophy	3	
3750:110	Psychology Quantitative Methods	4	
3750:220	Introduction to Experimental Psychology	4	
3750:441	Clinical and Counseling Psychology	4	
3850:301	Research Methods I	3	
4400:401	Electrical Engineering Senior Design I	2	
4450:401	Computer Engineering Senior Design I	2	

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CRITICAL THINKING (CT) - one course (continued)			
6400:200	Foundations of Personal Finance	3	
6600:335	Marketing Research	3	
7100:100	Survey of Art History I	3	(ART*)
7500:371	Analytical Techniques	2	
7600:245	Argumentation	3	

* Can be used to fulfill Tier II Disciplinary Area requirements

COMPLEX SYSTEMS AFFECTING INDIVIDUALS IN SOCIETY (CS)			
2040:241	Technology and Human Values	3	
3230:370	Globalization and Culture	3	
3230:420	Anthropology of Food	3	
3230:457	Medical Anthropology	3	
3230:460	Field Methods in Cultural Anthropology	4	
3250:385	Natural Resources and the Environment	3	
3250:430	Labor Market and Social Policy	3	
3370:421	Coastal Geology	3	
3370:452	Geology & Environmental Science Service Learning	3	
3370:498	River Seminar	3	
3580:308	Spanish Composition: Health Professions and First Responders	3	
3600:361	Biomedical Ethics	3	
3600:365	Environmental Ethics	3	
3750:425	Psychology of Hate	4	
3760:401	American Families in Poverty	3	
3850:320	Social Inequalities	3	
3850:330	Criminology	3	
3850:342	Sociology of Health and Illness	3	
3850:433	Deviant Behavior	3	
4400:402	Senior Design Project II: Electric Engineering	3	
4450:402	Senior Des Project II: Computer Engineering	3	
4600:461	ME Senior Design Project I	2	
4600:497	Honors Project in Mechanical Engineering	2	
4800:491	Biomedical Engineering Design I	2	
4900:490	Aerospace Design Project	2	
4900:497	Aerospace Honors Project	2	
5500:223	Urban Youth Mentoring	3	
8200:440	Nursing of Communities	5	



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DOMESTIC DIVERSITY (DD) - one course			
2040:244/344	Death and Dying	3	(SS')
2040:254	Black Experience from 1619-1877	2	(SS')
2040:256	Diversity in American Society	3	(SS')
2040:257	Black Experience from 1877-1954	2	(SS')
2040:258	Black Experience from 1954-Present	2	(SS')
3001:200	Introduction to Women's Studies	3	
3002:201	Intro to Pan-African Studies	3	
3230:358	Native North Americans	3	
3250:487	Urban Economics	3	
3300:350	Black American Literature	3	
3350:350	Geography of the United States & Canada	3	
3350:443	Urban Applications in GIS	3	
3400:250	U.S. History to 1877	4	(SS')
3400:251	U.S. History since 1877	4	(SS')
3400:350	US Women's History	3	
3580:307	Spanish Conversations for Health Professions	3	
3600:455	Philosophy of Feminism	3	
3750:435	Cross-Cultural Psychology	4	
3750:474	Psychology of Women	4	
3850:100	Introduction to Sociology	3	(SS')
7600:325	Intercultural Communication	3	
7750:270	Diversity and Social Work	3	
7800:467	Multicultural Theatre	3	

* Can be used to fulfill Tier II Disciplinary Area requirements

GLOBAL DIVERSITY (GD)			
2040:243	Contemporary Global Issues	3	(SS')
3230:150	Human Cultures	3	
3230:251	Human Diversity	3	(SS')
3230:416	Anthropology of Sex & Gender	3	
3250:460	Economics of Developing Countries	3	
3300:362	World Literatures	3	
3350:275	Geography of Cultural Diversity	2	
3400:200	Empires of the Ancient World	3	(HUM')
3400:292	Global Societies: Africa	3	
3400:294	Global Societies: India	3	
3400:295	Global Societies: Japan	3	
3400:296	Global Societies: Latin America	3	
3400:297	Global Societies: Middle East	3	
3400:337	France from Napoleon to De Gaulle	3	

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GLOBAL DIVERSITY (GD) <i>(continued)</i>			
3400:395	Modern Iran	3	
3400:489	Ottoman State and Society	3	
3400:499	Women & Gender in Mid East Social Global Diversity	3	
3560:210	Japanese Culture through Film	3	
3580:360	Hispanic Culture through Film	3	
3600:340	Eastern Philosophy	3	
3700:300	Comparative Politics	4	
3850:321	Population Study	3	
7100:101	Survey of History of Art II	3	(ART*)
7800:335	History of Theatre and Dramatic Literature I	3	
7800:435	History of Theatre and Dramatic Literature II	3	

* Can be used to fulfill Tier II Disciplinary Area requirements

