



Engineering Technology Associate in Applied Science Advising Worksheet* 2016-2017

Prescribed Technical Program Total	53
General Education Total	16-18
Total Degree Credits	69-71

Freshman Fall Semester

Prescribed Technical Program Requirements			
ENGR	101	Graphical Communication	3
POLS	116	State and Local Government	3
General Education Courses			
<i>Communications I</i>			
ENGL	110	College Composition I (Required)	3
<i>Business, Math, Science & Technology</i>			
CSCI	101	Introduction to Computers (or higher level CSCI course required)	3
<i>Business, Math, Science & Technology</i>			
Select one of the following courses:			
MATH	107	Pre-Calculus	4-6
MATH	165	Calculus I	
MATH	103	College Algebra AND	
MATH	105	Trigonometry	
Total Credits			16-18

Sophomore Fall Semester

Prescribed Technical Program Requirements			
CAD	212	Computer Aided Design II	3
CT	228	Boundary and Cadastral Surveying	3
CT	250/250L	Applied Statics and Mechanics of Materials/Lab	4
ENGR	204/204L	Surveying I/Lab (Fall only)	4
GIS	105	Fundamentals of Geographic Information Systems	3
Total Credits			17

Freshman Spring Semester

Prescribed Technical Program Requirements			
CAD	211	Computer Aided Design I	3
CT	251/251L	Materials Testing/Lab	4
COMM	110	Fundamentals of Public Speaking	3
ECON	201	Principles of Microeconomics	3
General Education Courses			
<i>Communications II</i>			
ENGL	125	Introduction to Professional Writing (Required)	3
<i>Arts & Humanities/Social & Behavioral Sciences</i>			
SOC	110	Introduction to Sociology (Required)	3
Total Credits			19

Sophomore Spring Semester

Prescribed Technical Program Requirements			
CAD	213	Computer Aided Design III	3
CT	232	Water Management Technology	4
CT	252	Construction Project Management	3
ENGR	205/205L	Surveying II/Lab (Spring only)	4
GIS	107	GIS Applications	3
Total Credits			17

Transfer Option - Students who may possibly pursue a four-year degree in Engineering at a later date should consider the following course changes:

Substitute: Statics (ENGR 201) and Mechanics of Materials (ENGR 203) for Applied Statics and Mechanics (CT 250). Students should consult with the Engineering Technology program coordinator prior to this substitution.

GIS Certificate Option - With the addition of a few more courses, students could also complete the GIS Certificate of Completion. Refer to the Geographic Information Systems Technician page for complete details on the Certificate of Completion.

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Associate in Applied Science (AAS)

2016-2017 Catalog

Advisor: _____

Office: _____

Phone: _____

Email: _____

Degree Checklist

Credits

 Earned a minimum of 3 credits in ENGL 110

 Earned a minimum of 3 credits in ENGL 120, ENGL 125 or COMM 110

 Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Science

 Earned a minimum of 6 credits in Business, Math, Science & Technology

 Earned prescribed technical program requirements

 Earned a minimum of 60 credits

 Earned a minimum of 15 institutional credits (BSC only)

 Earned a minimum 2.00 institutional GPA (BSC only)

 Earned a minimum 2.00 cumulative GPA (BSC + Transfer)

 Earned a minimum 2.00 GPA in a prescribed technical program

 Cleared all college obligations

 Declared program of study is Degree-seeking

 Filed an Application for Degree

 -Academic Skills Courses (ASC) do not count toward graduation

Legend

(*) Course not approved as GERTA

General Education Requirements

Category I: COMMUNICATIONS

Completed _____ Needed _____

Communications I

(3 Credits) - ENGL 110

Gr.	Cr.		
_____	3	ENGL 110	College Composition I

Transfer Course

Communications II

(3 Credits) -ENGL 120, 125, COMM 110 (Select one)

Gr.	Cr.		
_____	3	ENGL 120	College Composition II
_____	3	ENGL 125	Introduction to Professional Writing
_____	3	COMM 110	Fundamentals of Public Speaking

Transfer Course

General Education Requirements Continued

Category II: ARTS & HUMANITIES/SOCIAL & BEHAVIORAL SCIENCES

Completed _____ Needed _____

(3 Credits)

Gr.	Cr.			Gr.	Cr.			Gr.	Cr.		
_____	3	ART 110	Introduction to the Visual Arts	_____	3	HIST 101	Western Civilization I	_____	3	POLS 115	American Government
_____	3	ART 122	Two-Dimensional Design	_____	3	HIST 102	Western Civilization II	_____	3	POLS 116	State and Local Government
_____	3	ART 124	Three-Dimensional Design	_____	3	HIST 103	United States to 1877	_____	3	POLS 220	International Politics
_____	3	ART 130	Drawing I	_____	3	HIST 104	United States since 1877	_____	3	PSYC 111	Introduction to Psychology
_____	3	ART 210	Art History I	_____	3	HIST 220	North Dakota History	_____	3	* PSYC 211	Introduction to Behavior Modification
_____	3	ART 211	Art History II	_____	3	HIST 222	History of the Western Frontier	_____	3	PSYC 250	Developmental Psychology
_____	3	ART 220	Painting I	_____	3	HIST 224	American Studies I	_____	3	* PSYC 261	Psychology of Adjustment
_____	3	ART 221	Painting II	_____	3	HIST 225	American Studies II	_____	3	PSYC 270	Abnormal Psychology
_____	3	ART 230	Drawing II	_____	1-3	* HIST 243	Historical Investigations	_____	3	RELS 120	Religion in America
_____	3	ART 250	Ceramics I	_____	3	HUMS 210	Integrated Cultural Studies	_____	3	RELS 201	Life and Letters of Paul
_____	3	ART 251	Ceramics II	_____	1-4	HUMS 211	Integrated Cultural Excursion	_____	3	RELS 203	World Religions
_____	2	ART 265	Sculpture I	_____	2	HUMS 212	Integrated Cultural Enrichment	_____	3	RELS 220	Old Testament
_____	2	ART 266	Sculpture II	_____	3	MUSC 100	Music Appreciation	_____	3	RELS 230	New Testament
_____	3	CJ 201	Introduction to Criminal Justice	_____	1	MUSC 117	Concert Choir	_____	3	SOC 110	Introduction to Sociology
_____	3	COMM 211	Oral Interpretation	_____	1	MUSC 118	Chamber Choir	_____	3	SOC 115	Social Problems
_____	3	* COMM 212	Interpersonal Communications	_____	1	MUSC 121	String Ensemble	_____	3	SOC 220	Family
_____	3	ECON 105	Elements of Economics	_____	1	MUSC 132	Wind Ensemble	_____	3	SOC 221	Minority Relations
_____	3	ECON 201	Principles of Microeconomics	_____	1	MUSC 133	Woodwind Ensemble I	_____	3	SOC 235	Cultural Diversity
_____	3	ECON 202	Principles of Macroeconomics	_____	1	MUSC 134	Woodwind Ensemble II	_____	3	SOC 251	Gerontology
_____	3	ENGL 211	Introduction to Creative Writing	_____	1	MUSC 135	Brass Ensemble I	_____	3	SOC 252	Criminology
_____	3	ENGL 221	Introduction to Drama	_____	1	MUSC 136	Brass Ensemble II	_____	3	SOC 275	American Indian Studies
_____	3	* ENGL 222	Introduction to Poetry	_____	1	MUSC 137	Jazz Ensemble	_____	4	SPAN 101	First Year Spanish I
_____	3	ENGL 233	Fantasy and Science Fiction	_____	1	* MUSC 138	Percussion Ensemble	_____	4	SPAN 102	First Year Spanish II
_____	3	ENGL 236	Women and Literature	_____	1	MUSC 145	Applied Music	_____	4	SPAN 201	Second Year Spanish I
_____	3	ENGL 238	Children's Literature	_____	1	MUSC 146	Applied Music - Major	_____	4	SPAN 202	Second Year Spanish II
_____	3	ENGL 251	British Literature I	_____	3	PHIL 101	Introduction to Philosophy	_____	3	SWK 256	Development of Social Welfare
_____	3	ENGL 252	British Literature II	_____	3	PHIL 210	Ethics	_____	3	THEA 110	Introduction to Theatre Arts
_____	3	ENGL 261	American Literature I	_____	3	PHIL 220	Introduction to Logic	_____	3	THEA 161	Acting I
_____	3	ENGL 262	American Literature II	_____	3	PHIL 250	Philosophy in Cinema	_____	3	THEA 261	Acting II
_____	3	ENGL 278	Alternative Literature	_____	3	PHIL 253	Environmental Ethics				

Transfer Courses

Transfer Courses

Transfer Courses

General Education Requirements Continued

Category III: BUSINESS, MATH, SCIENCE & TECHNOLOGY

Completed _____ Needed _____

(6 Credits) Must be satisfied with courses from two areas of study. Area of study is based on course prefix.

Gr.	Cr.		Gr.	Cr.		Gr.	Cr.	
_____	3	* ACCT 200	_____	3/1	CHEM 110	_____	3	MATH 146
_____	3	* ACCT 201	_____	3/1	CHEM 112	_____	4	MATH 165
_____	3/1	ASTR 150	_____	3/1	CHEM 114	_____	4	MATH 166
_____	3	* BADM 202	_____	4/1	CHEM 115	_____	3	* MATH 208
_____	3	* BADM 210	_____	4/1	CHEM 116	_____	3	MATH 210
_____	3	* BADM 240	_____	4/1	CHEM 121	_____	4	* MATH 277
_____	3	* BADM 281	_____	4/1	CHEM 122	_____	3/1	MICR 202
_____	3	* BADM 282	_____	4	* CIS 164	_____	3	* NUTR 240
_____	1	* BIOL 102	_____	3	CSCI 101	_____	3/1	PHYS 100
_____	3	BIOL 109	_____	3	CSCI 122	_____	3/1	PHYS 110
_____	3/1	BIOL 111	_____	4	CSCI 160	_____	3/1	PHYS 211
_____	3/1	BIOL 115	_____	4	CSCI 161	_____	3/1	PHYS 212
_____	3	BIOL 124	_____	3/1	GEOG 121	_____	4/1	PHYS 251
_____	3/1	BIOL 126	_____	3/1	GEOL 102	_____	4/1	PHYS 252
_____	3/1	BIOL 150	_____	3/1	GEOL 105	_____	2/1	PLSC 110
_____	3/1	BIOL 151	_____	3	GIS 105	_____	3/1	SCNC 101
_____	3/1	BIOL 220	_____	3	* GIS 107	_____		(Biology & Chemistry)
_____	3/1	BIOL 221	_____	4	MATH 103	_____	3/1	SCNC 102
_____	3/1	BIOL 250	_____	3	MATH 104	_____		(Physics & Geology)
_____	3/1	BIOL 251	_____	2	MATH 105	_____	3/1	SCNC 103
_____	3/1	BOT 170	_____	4	MATH 107	_____		(Astronomy & Meteorology)
_____	3	* BUSN 120	_____	3	* MATH 137	_____	2/1	* SOIL 210
								Introduction to Soil Science/Lab
Transfer Courses			Transfer Courses			Transfer Courses		
_____			_____			_____		
_____			_____			_____		
_____			_____			_____		
_____			_____			_____		

Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC), as well as Math 102, are pre-college courses that indicate the need for college preparation work before enrollment in college level courses. These courses will not carry honor points or earned credit and will not count toward the student's degree program.

Gr.	Cr.		Gr.	Cr.	
_____	2	ASC 082	_____	2	ASC 92
_____	3	ASC 087	_____	2	ASC 93
_____	1	ASC 088	_____	3/1	ASC 098
_____	2	ASC 91			
		Effective Reading			Algebra Prep II
		College Writing Prep			Algebra Prep III
		Composition Lab			Basic Biology/Lab
		Algebra Prep I			

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