



Industrial Systems Engineering Technology (ISET) Course of Study 2016-2017

First Semester I (Fall)				
Course ID	Course Name	T/B/G	Credits	Ck off
BMCA 1010	Introduction to Microcomputer Concepts & Applications	G	3	
ENGL 1500	Composition I	G	3	
FYEX 1010	First Year Success Strategies	G	1	
MATH 1230	Industrial Mathematics	G	4	
MECH 1000	Engineering Graphics	B	3	
	Total:		14	

Second Semester I (Spring)				
Course ID	Course Name	T/B/G	Credits	Ck off
CAMT 1380	Measurement and Layout	T	4	
EEET 1100	Industrial Electricity	B	3	
ENGL 2800	Technical Writing	G	3	
WELD 1700	Maintenance Welding	T	4	
	Total:		14	

Summer Session I				
Course ID	Course Name	T/B/G	Credits	Ck off
COMM 2610	Public Speaking	G	3	
	*Arts & Humanities Elective	G	3	
	*Natural Science Elective	G	3	
	Total:		9	

Curriculum Summary: General (G)/ Basic (B) = 32 Hours

Technical (T) = 33 Hours

Total Curriculum Hours= 65

Third Semester II (Fall)				
Course ID	Course Name	T/B/G	Credits	Ck off
CAMT 2210	CNC Machining	T	4	
EEET 2400	Motors Controls	T	3	
MECH 2500	Hydraulics & Pneumatics	T	3	
	* Technical Elective(s)	T	3	
	* Social & Behavioral Science Elective	G	3	
	Total:		16	

Fourth Semester II (Spring)				
Course ID	Course Name	T/B/G	Credits	Ck off
EEET 2500	Programmable Controllers	T	3	
ENVS 2850	OSHA 30 Hour General Industry Safety & Health	T	2	
	* Technical Elective(s)	T	4	
	* Technical Elective(s)	T	3	
	Total:		12	

Summer Session II				
Course ID	Course Name	T/B/G	Credits	Ck off
	Total:			

NOTE: Students must complete the computer literacy requirement in order to graduate which may be met through competency testing or completion of a program specific computer course. Refer to the degree audit and consult with the program advisor for the appropriate course(s) that meet the computer literacy requirement.

***ADDITIONAL INFORMATION ON REVERSE**

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Arts & Humanities Electives			Natural Science Electives "Continued"			Technical Electives		
AMSL 1010	American Sign Language I	3	CHEM 1020	Introduction to Organic and Biochemistry	3	ALTE 1800	Solar Energy Systems	4
AMSL 1020	American Sign Language II	3	CHEM 1210	General Chemistry I	4	ALTE 2500	Energy Systems Management	4
ARTS 1010	Art History I	3	CHEM 1220	General Chemistry II	4	ARCH 1200	Construction Methods I	3
ARTS 1020	Art History II	3	GEOG 1350	Earth Science	3	ARCH 1300	Intro to Architectural Modeling	3
ARTS 1200	The History of Photography	3	GEOG 2010	Physical Geology	4	EEET 1130	Electronic Devices	4
ENGL 2400	Creative Writing	3	PHYS 1100	Introductory Physics	4	MECH 1100	3D Modeling	3
ENGL 2420	The Literature of Work	3	PHYS 2010	Physics I: Mechanics and Heat	4	MECH 2600	Machine Design	3
ENGL 2450	The Literature of Crime	3	PHYS 2020	Physics II: Modern Physics	4	MECH 2650	Mechanical Systems	4
ENGL 2470	The Literature of Sustainability	3				MECH 2700	Project Management	3
ENGL 2520	British Literature: Industrialism to Present	3				MECH 2900	Statistical Process Control	2
ENGL 2600	American Literature: Civil War to Present	3				OGET 1610	Natural Gas and Oil Drilling	4
HUMS 1020	Critical Thinking	3				SURV 2190	Fundamentals of Surveying	3
PHIL 1010	Introduction to Philosophy	3				WELD 1140	Basic SMAW II	3
PHIL 1020	Introduction to Ethics	3				WELD 1500	Welding Symbols	1
PHIL 2010	Contemporary Philosophy	3				WELD 1550	Instruction to CNC Plasma Cutting	3
THTR 1010	Introduction to Theater	3				WELD 1600	Fabrication	3
THTR 1020	Script Analysis	3				WELD 2000	Field Experience	2
						WELD 2100	SMAW Pipe I	3
						WELD 2130	SMAW Pipe II	4
						WELD 2150	SMAW Pipe Supplemental	3
						WELD 2200	GMAW Pipe	5
						WELD 2250	GMAW Pipe Supplemental	3
						WELD 2300	GTAW Pipe	5
						WELD 2350	GTAW Pipe Supplemental	3
						WELD 2400	Pipe Qualification I	3
						WELD 2430	Pipe Qualification II	4
						WELD 2450	Pipe Qualification Supplemental	2
						WELD 2500	Independent Studies in Welding	1 to 2
Natural Science Electives			Social & Behavioral Science Electives					
ASTR 1800	Introduction to Astronomy	3	BUSM 1510	Microeconomics	3			
BIOL 1010	Principles of Biology	3	BUSM 1520	Macroeconomics	3			
BIOL 1070	Environmental Science	3	GEOG 1610	U.S. Geography	3			
BIOL 1210	General Biology I	4	GEOG 1710	World Regional Geography	3			
BIOL 1220	General Biology II	4	HIST 1100	Western Civilization to 1492	3			
BIOL 1410	Botany	3	HIST 1110	Western Civilization from 1492 to Present	3			
BIOL 1510	Zoology	3	HIST 1200	U.S. History I	3			
BIOL 2010	General Microbiology	3	HIST 1210	U.S. History II	3			
BIOL 2400	Anatomy & Physiology I	3	POLS 1010	American National Government	3			
BIOL 2410	Anatomy & Physiology I Lab	1	PSYC 1010	Introduction to Psychology	3			
BIOL 2420	Anatomy & Physiology II	3	PSYC 1100	Psychology of Gender	3			
BIOL 2430	Anatomy & Physiology II Lab	1	PSYC 2010	Abnormal Psychology	3			
CHEM 1010	Chemistry I	3	PSYC 2030	Child/Adolescent Psychology	3			
			PSYC 2080	Psychology of Personality	3			
			PSYC 2170	Social Psychology	3			
			PSYC 2310	Educational Psychology	3			
			SOCI 1010	Introduction to Sociology	3			
			SOCI 1500	Sociology of the Family	3			
			SOCI 2050	Deviant Behavior	3			
			SOCI 2060	Race and Ethnicity	3			
			SOCI 2180	Social Problems	3			
			WMST 1010	Introduction to Women's Studies	3			