

ENGINEERING TECHNOLOGY: GEOGRAPHIC INFORMATION SYSTEMS EMPHASIS

General Education Core

Code	Title	Credits
Written Communication		
ENGL-101	WRITING AND RHETORIC I	3.00
Oral Communication		
Take one of the following:		3.00
COMM-101	FUNDAMENTALS OF ORAL COMMUNICATION	
COMM-203	SMALL GROUP COMMUNICATION	
COMM-204	PUBLIC SPEAKING	
Mathematical Ways of Knowing		
Take one of the following:		4.00
MATH-147	PRECALCULUS	
MATH-170	CALCULUS I	
MATH-257	MATHEMATICS FOR ELEMENTARY TEACHERS II	
MTHPT-137	MATH FOR TECHNOLOGY	
Scientific Ways of Knowing		
GIS-271	GEOGRAPHIC INFORMATION SYSTEMS	4.00
Social & Behavioral Ways of Knowing		
Take one of the following:		3.00
ANTH-102	CULTURAL ANTHROPOLOGY	
ANTH-120	WORLD PREHISTORY	
ANTH-170	INTRODUCTION TO NATIVE AMERICAN STUDIES	
ECON-201	PRINCIPLES OF MACROECONOMICS	
ECON-202	PRINCIPLES OF MICROECONOMICS	
GEOG-102	INTRODUCTION TO GEOGRAPHY	
HIST-101	WORLD HISTORY I	
HIST-102	WORLD HISTORY II	
HIST-111	UNITED STATES HISTORY I	
HIST-112	UNITED STATES HISTORY II	
HRPT-184	DIVERSITY IN ORGANIZATIONS	
or SS-184	DIVERSITY IN ORGANIZATIONS	
HRPT-185	HUMAN RELATIONS IN ORGANIZATIONS	
or SS-185	HUMAN RELATIONS IN ORGANIZATIONS	
POLS-101	AMERICAN NATIONAL GOVERNMENT	
POLS-237	INTERNATIONAL POLITICS	
POLS-285	COMPARATIVE GOVERNMENT	
PSYC-101	INTRODUCTION TO GENERAL PSYCHOLOGY	
PSYC-205	LIFESPAN DEVELOPMENTAL PSYCHOLOGY	
SOC-101	INTRODUCTION TO SOCIOLOGY	
SOC-102	SOCIAL PROBLEMS	
Total Credits		17.00

Program Requirements

Code	Title	Credits
Take all of the following:		
CS-108	INTRODUCTION TO COMPUTER SCIENCE	3.00
ENGTE-106	DRAFTING FUNDAMENTALS	6.00

ENGTE-107	ENGINEERING TECHNOLOGY DISCIPLINES	2.00
ENGTE-154	INTRODUCTION TO COMPUTER-AIDED DRAFTING	4.00
ENGTE-171	INTRODUCTION TO GEOSPATIAL TECHNOLOGIES	2.00
ENGTE-201	CIVIL DRAFTING	3.00
ENGTE-202	INTRODUCTION TO SURVEY	3.00
ENGTE-211	UNMANNED AERIAL SYSTEM SURVEYING	2.00
ENGTE-221	GLOBAL POSITIONING CONCEPTS AND APPLICATIONS	3.00
ENGTE-246	CONSTRUCTION AND MANUFACTURING TECHNOLOGY	2.00
ENGTE-272	ADVANCED GIS AND APPLICATIONS	3.00
ENGTE-273	REMOTE SENSING AND APPLICATIONS	3.00
Take 8 credits from the following:		8.00
CS-111	COMPUTER SCIENCE 1	
CS-226	SQL: STRUCTURED QUERY LANGUAGE	
ENGTE-205	ADVANCED CIVIL DRAFTING AND DESIGN	
ENGTE-206	RESIDENTIAL ARCHITECTURAL DRAFTING	
ENGTE-207	STRUCTURAL DRAFTING	
ENGTE-209	INTERMEDIATE SURVEYING	
ENGTE-290	DIRECTED STUDY IN ENGINEERING TECHNOLOGY	
ENGTE-294	INTERNSHIP IN ENGINEERING TECHNOLOGY	
Total Credits		44.00

Sequential Plan of Study Engineering Technology: Geographic Information System

Course	Title	Credits
First Year		
Fall		
ENGTE-106	DRAFTING FUNDAMENTALS	6.00
ENGTE-107	ENGINEERING TECHNOLOGY DISCIPLINES	2.00
ENGTE-154	INTRODUCTION TO COMPUTER-AIDED DRAFTING	4.00
CORE	Mathematical Ways of Knowing	4.00
Credits		16.00
Spring		
CS-108	INTRODUCTION TO COMPUTER SCIENCE	3.00
ENGL-101	WRITING AND RHETORIC I	3.00
ENGTE-171	INTRODUCTION TO GEOSPATIAL TECHNOLOGIES	2.00
ENGTE-246	CONSTRUCTION AND MANUFACTURING TECHNOLOGY	2.00
Elective	Elective Credits	4.00
Credits		14.00
Second Year		
Fall		
ENGTE-201	CIVIL DRAFTING	3.00
ENGTE-202	INTRODUCTION TO SURVEY	3.00
ENGTE-211	UNMANNED AERIAL SYSTEM SURVEYING	2.00
GIS-271	GEOGRAPHIC INFORMATION SYSTEMS	4.00
CORE	Oral Communication	3.00
Credits		15.00
Spring		
ENGTE-221	GLOBAL POSITIONING CONCEPTS AND APPLICATIONS	3.00
ENGTE-272	ADVANCED GIS AND APPLICATIONS	3.00
ENGTE-273	REMOTE SENSING AND APPLICATIONS	3.00
CORE	Social & Behavioral Ways of Knowing	3.00

Elective	Elective Credits	4.00
	Credits	16.00
	Total Credits	61.00