



BACHELOR OF SCIENCE DEGREE IN GEOMATICS
2023-2024 Catalog

Name: _____ ID#: _____ Phone #: _____

F R E S H M A N Y E A R	<i>Fall Semester (14 hrs)</i>	<u>Prerequisite Information</u>	<u>Hours</u>	<u>Grade</u>	<u>SEM</u>	<u>Course Sub / Suggested</u>
	GEOM 104 Geomatics Service Learning	Geomatics Majors only	0.0.1			
	GEOM 111 Geomatics Methods I	Credit or registration in MATH 165	3.2.3			
	ENGL 101 English Composition I	ACT Score 18 or better in English, C or better in ENGL 003, or satisfactory score on departmental placement test	3.3.0			
	MATH 165 Calculus I	C or better in MATH 102 or MATH 108	5.6.0			
	EGSC 111 Engineering Graphic with Computer Aid Drawing	Credit or Registration in Math 102 or 108	2.0.5			
	Freshman Seminar Course		1.1.0			
	<i>Spring Semester (15 hrs)</i>					
	GEOM 104 Geomatics Service Learning	Geomatics Majors only	0.0.1			
	MATH 166 Calculus II	C or better in MATH 165	4.5.0			
	GEOM 112 Geomatics Methods II	Prerequisites: C or better in GEOM 111 and credit or registration in MATH 165	3.2.3			
	EGSC 222 Geovisualization	C or better in EGSC 111	2.0.5			
	ENGL 102 English Composition II	C or better in ENGL 100 or 101, or satisfactory score on departmental placement test	3.3.0			
	GEOL 101 Physical Geology	None	3.3.0			

S O P H O R E Y E A R	<i>Fall Semester (15 hrs)</i>	<u>Prerequisite Information</u>	<u>Hours</u>	<u>Grade</u>	<u>SEM</u>	<u>Course Sub / Suggested</u>
	GEOM 104 Geomatics Service Learning	Geomatics Majors only	0.0.1			
	GEOM 205 Problems in Geomatics	C or better in GEOM 112 and credit or registration in MATH 166.	3.3.0			
	Humanities Elective		3.3.0			
	ECON 255 Survey of Economic Principles	ENGL 101 and eligibility to take MATH 101 or C or better in non- developmental MATH	3.3.0			
	MATH 301 Elementary Statistical Methods I	ENGL 102 and eligibility for MATH 165; or ENGL 102 and C or better in MATH 101, and C or better in at least MATH 102, 106, 108, or 214	3.3.0			
	PHYS 201 General Physics I	Pre-requisite or co-requisite MATH 165	3.3.0			
	<i>Spring Semester (15 hrs)</i>					
	GEOM 104 Geomatics Service Learning	Geomatics Majors only	0.0.1			
	GEOM 207 Geodesy and Geodetic Coordinates I	C or better in MATH 166, PHYS 201, and GEOM 205	3.3.0			
	GEOM 209 Geographic Information System (GIS) Theory & Applications	C or better in MATH 166, PHYS 201, and GEOM 205 or permission of department head	3.2.3			
	CMPS 130 Introduction to Computer Science I	C or better in MATH 100 or 101	3.3.0			
	PHYS 202 General Physics II	C or better in PHYS 201 Prerequisite/co-requisite MATH 166	3.3.0			
	SPCH 101 Fundamentals of Public Speaking	Eligibility for ENGL 101 or higher	3.3.0			

** Math 165 is the entry level course for this degree program. All prerequisites for MATH 165 must be met.



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Humanities Elective+ - No more than 6 hours in one discipline.

J U N I O R Y E A R	<i>Fall Semester (15hrs)</i>	<u>Prerequisite Information</u>	<u>Hours</u>	<u>Grade</u>	<u>SEM</u>	<u>Course Sub / Suggested</u>
	GEOM 104 Geomatics Service Learning	Geomatics Majors only	0.0.1			
	GEOM 218 Photogrammetry	C or better in MATH 166, PHYS 202, and GEOM 205	3.2.3			
	GEOM 306 Measurement of Science I	C or better in MATH 166 and 301, and GEOM 205	3.3.0			
	GEOM 307 Geodesy and Geodetic Coordinates II	C or better in MATH 166, PHYS 202, and GEOM 207	3.3.0			
	GEOM 309 Advanced Geographic Information Systems.	C or better in MATH 166, PHYS 202, and GEOM 209	3.2.3			
	FINC 341 Principles of Real Estate	Completion of 54 hours of non-developmental coursework	3.3.0			
	<i>Spring Semester (16 hrs)</i>					
	GEOM 104 Geomatics Service Learning	Geomatics Majors only	0.0.1			
	GEOM 302 Route & Construction Surveys	C or better in MATH 166, PHYS 202, and GEOM 205	3.2.3			
	GEOM 318 Photogrammetry II	C or better in GEOM 218	3.2.3			
	GEOM 406 Measurement Science II	C or better in GEOM 306	3.3.0			
	Humanities Elective		3.3.0			
	GEOM 340 Internship	Junior Standing	1.0.6			
	ENGL 368 or 468 Technical Writing	C or better in ENGL 102	3.3.0			

S E N I O R Y E A R	<i>Fall Semester (15 hrs)</i>	<u>Prerequisite Information</u>	<u>Hours</u>	<u>Grade</u>	<u>SEM</u>	<u>Course Sub / Suggested</u>
	GEOM 104 Geomatics Service Learning	<i>Geomatics Majors only</i>	0.0.1			
	GEOM 401 Subdivision Design and Platting	C or better in GEOM 302	3.3.0			
	GEOM 405 Geodetic Positioning System (GPS)	C or better in GEOM 306 and 307	3.2.3			
	GEOM 418 Remote Sensing	C or better in GEOM 318	3.2.3			
	Humanities Elective		3.3.0			
	Fine Arts Elective		3.3.0			
	<i>Spring Semester (15 hrs)</i>					
	GEOM 104 Geomatics Service Learning	Geomatics Majors only	0.0.1			
	GEOM 310 Boundary & Legal Principles	C or better in GEOM 307, 309, and 318 Corequisite GEOM 410	3.3.0			
	GEOM 410 Survey Practice	Corequisite GEOM 310	3.3.0			
	GEOM 440 Senior Seminar	Senior Standing	3.3.0			
	Biology Elective		3.3.0			
	Social Sciences Elective		3.3.0			

Total Hours for Degree

120