

Geomatics Surveying Coursework

Oregon Institute of Technology

REQUIREMENTS FOR CECOP ADMISSION

Junior standing and completed required courses for admission to the upper division degree program by Fall Term of CECOP Year 1.

CLASSES REQUIRED FOR FIRST CECOP INTERNSHIP

CE 203	Engineering Graphics
GIS 103	The Digital Earth
GIS 134	Geographic Information Systems
GIS 205	Mobile and Web GIS
GIS 306	Geospatial Raster Analysis
GIS 316	Geospatial Vector Analysis I
GME 161	Plane Surveying I
GME 162	Plane Surveying II
GME 163	Route Surveying
GME 175	Computations and Platting
GME 241	Boundary Law I
GME 242	Land Descriptions and Cadastre
GME 264	Digital Design for Surveying
GME 343	Boundary Surveys
GME 372	Subdivision Planning & Platting
GME 466	Boundary Law II
MATH 112	Trigonometry
MATH 251	Differential Calculus
MATH 252	Integral Calculus
MATH 254N	Vector Calculus I
MATH 361	Statistical Methods I
MIS 113	Introduction to Relational Databases
PHY 221	General Physics with Calculus
PHY 222	General Physics with Calculus
PHY 223	General Physics with Calculus
SPE 111	Public Speaking
WRI 121	English Composition
WRI 227	Technical Report Writing

ADDITIONAL CLASSES REQUIRED FOR SECOND CECOP INTERNSHIP

GME 425	Remote Sensing
GME 451	Geodesy
GME 452	Map Projections
GME 454	GNSS Surveying
MIS 118	Programming Fundamentals

Additional courses are required and must be taken at the appropriate times to ensure timely graduation. Each student is required to develop an individualized course plan of study with an academic advisor, any deviations must be approved by the academic advisor.