

**Counseling Services  
College of the Siskiyous**

**OIT / COS Lower Division Major Requirements Guide**

DRAFT

**Mechanical Engineering**

11/17/09

Oregon Institute of Technology		College of the Siskiyous	
CHE 221	General Chemistry I	CHEM 1A	General Chemistry I
CHE 232	General Chemistry II	CHEM 1B	General Chemistry II
ENGR 211	Statics	(ENGR 35)	Mechanics for Engineers- Statics
ENGR 212	Dynamics	OIT	
ENGR 213	Strength of Materials	OIT	
ENGR 236	Fundamentals of Electric Circuits	ENGR 17	Introduction to Circuit Analysis
ENGR 266	Programming for Engineers	OIT	
HUM 125	Introduction to Tech, Soc and Values	OIT	
MATH 111	College Algebra	(MATH 10)	College Algebra
MATH 112	Trigonometry	MATH 4	Pre Calculus
MATH 251	Differential Calculus	MATH 5A	Calculus and Analytic Geometry I
MATH 252	Integral Calculus	MATH 5B	Calculus and Analytic Geometry II
MATH 254N	Vector Calculus I	OIT	
MET 111	Orientation I	OIT	
MET 112	Orientation II	OIT	
MET 160	Materials I	OIT	
MET 241	CAD for Mechanical Design I	OIT	
MET 242	CAD for Mechanical Design II	OIT	
MFG 103	Introductory Welding Process	OIT	
MFG 120	Manufacturing Process I	OIT	
PHIL 331	Ethics: Moral Issues in the Professions	PHIL 3	Ethics
PHY 221+	General Physics with Calculus	PHYS 4A +	Mechanical Physics, Oscillations, . . .
PHY 222+	General Physics with Calculus	PHYS 4B +	Electrical Physics, Light
PHY 223	General Physics with Calculus	PHYS 4C	Heat, Modern, & Quantum Physics
SPE 111	Fundamentals of Speech	SPCH 1	Public Speaking
Various	Humanities Elective	Various	Any course from IGETC Areas 3
Various	Social Science Elective	Various	Any course from IGETC Area 4
WRI 121	English Composition	ENGL 1A	College Composition
WRI 122	English Composition	ENGL 1C	College Composition-Critical Thinking
WRI 227	Technical Report Writing	OIT	
Various	Social Science Elective	Various	Any Course from IGETC Area 4
ECO	Economics Elective	ECON	ECON 1A or ECON 1B

OIT = No Comparable Course at COS  
qu = quarter units (qu x .667 = semester units)

( ) = this articulation has been proposed to OIT  
su = semester units (su x 1.5 = quarter units)