

OREGON INSTITUTE OF TECHNOLOGY

MECHANICAL ENGINEERING COURSEWORK

OIT Course #	Generic Description
COURSES REQUIRED FOR MECOP ENTERANCE*	
CHE 221	General Chemistry and Lab
CHE 222	General Chemistry and Lab
MATH 251	Analytic Geometry and Differential Calculus
MATH 252	Integral Calculus
MET 111	Orientation I
MET 112	Orientation II
MET 241	CAD for Mechanical Design I
MET 242	CAD for Mechanical Design II
MFG 103	Introductory Welding Processes
MFG 120	Manufacturing Processes I
PHY 221	General Physics
SPE 111	Fundamentals of Speech
WRI 121	English Composition
WRI 122	English Composition
ADDITIONAL COURSES TO BE COMPLETED BEFORE FIRST INTERNSHIP*	
ENGR 211	Statics
ENGR 213	Strength of Materials
ENGR 236	Fundamentals of Electric Circuits
ENGR 266	Programming for Engineers
ENGR 355	Thermodynamics
ENGR 407	MECOP Engineering Seminar
MECH 318	Fluid Mechanics
MECH 363	Instrumentation
MET 160	Materials I
MET 375	Solid Modeling
MFG 314	Geometric Dimensioning and Tolerancing
PHY 222	General Physics
PHY 223	General Physics
WRI 227	Technical Report Writing
ADDITIONAL COURSES TO BE COMPLETED BEFORE SECOND INTERNSHIP*	
ENGR 212	Dynamics

ENGR 407	MECOP Engineering Seminar
MATH 254N	Multivariable and Vector Calculus
MATH 321	Applied Differential Equations
MECH 315	Machine Design I
MECH 351	Finite Element Analysis
MECH 360	Materials II

*Deviations must be approved by MECOP Advisor.

Note: Additional courses are required and must be taken at the appropriate times to insure timely graduation. Each MECOP student is required to develop an individualized course plan of study until graduation.