

OREGON INSTITUTE OF TECHNOLOGY

MANUFACTURING ENGINEERING TECHNOLOGY COURSEWORK

OIT Course #	Generic Description
COURSES REQUIRED FOR MECOP ENTERANCE*	
CHE 101/201	Chemistry
CHE 104/204	Chemistry 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 112	Introduction to Processes of Manufacturing
MFG 120	Manufacturing Processes I
PHY 201/221	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 407	MECOP Engineering Seminar
MATH 361	Statistical Methods I
MET 160	Materials I
MET 315	Machine Design I
MET 326	Electrical Power Systems
MET 375	Solid Modeling
MFG 313	Manufacturing Analysis and Planning
MFG 314	Geometric Dimensioning and Tolerancing
PHY 202/222	General Physics
WRI 227	Technical Report Writing
ADDITIONAL COURSES TO BE COMPLETED BEFORE SECOND INTERNSHIP*	

MATH 362	Statistical Methods II
MET 326	Electrical Power Systems
MFG 341	Numerical Control Programming
MFG 342	Computer Aided Machining
MFG 343	Manufacturing Tool Design
ENGR 407	MECOP Engineering Seminar

*Deviations must be approved by MECOP Advisor.

** ENGT 230, ENGT 231, and ENGT 232 sequence may be substituted for the ENGR 211, ENGR 213 sequence.

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.