



OREGON INSTITUTE OF TECHNOLOGY

SOFTWARE ENGINEERING TECHNOLOGY COURSEWORK

OIT Course #	Generic Description
COURSES REQUIRED FOR MECOP APPLICATION*	
CST 116	C++ Programming I
CST 126	C++ Programming II
CST 130	Computer Organization
CST 131	Computer Architecture
CST 136	Object-Oriented Programming with C++
CST 162	Introduction to Digital Logic
CST 211	Data Structures
CST 236	Software Systems Testing
CST 240	Unix
CST 250	Computer Assembly Language
CST 276	Design Patterns
MATH 251	Analytic Geometry and Differential Calculus
MATH 252	Integral Calculus
MATH 254N	Vector Calculus
SPE 111	Fundamentals of Speech
WRI 121	English Composition
WRI 122	English Composition
ADDITIONAL COURSES REQUIRED BEFORE FIRST INTERNSHIP*	
CST 223	Programming Languages II
CST 229	Introduction to Grammars
CST 238	Graphical User Interface Programming
CST 316	Software Process Management
CST 320	Compiler Methods



CST 324	Database Systems and Design
CST 326	Software Design & Implementation I
CST 336	Software Design & Implementation II
CST 352	Operating Systems
MATH 327	Discrete Math
PHY 221	General Physics with Calculus
PHY 222	General Physics with Calculus
SPE 321	Small Group and Team Communications
WRI 227	Technical Report Writing
WRI 350	Documentation Development
ADDITIONAL COURSES REQUIRED BEFORE SECOND INTERNSHIP*	
CST *	CSET Technical Elective
SS*	Social Science Elective
PSY 201	Psychology
MATH 465	Mathematical Statistics

**Any 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 of study plan, in conjunction with their academic adviser, to ensure a timely graduation.