

OREGON INSTITUTE OF TECHNOLOGY

COMPUTER SCIENCE COURSEWORK (Software Engineering Technology (SET))

OIT Course #	Generic Description
COURSES REQUIRED FOR MECOP ENTERANCE*	
CST 116	C++ Programming I
CST 123	Topics in Computer Science
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 213	Programming Languages I
CST 240	Unix
CST 250	Computer Assembly Language
MATH 251	Analytic Geometry and Differential Calculus
MATH 252	Integral Calculus
MATH 254N	Vector Calculus
SPE 111	Fundamentals of Speech
ADDITIONAL COURSES TO BE COMPLETED 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
ENGR 407	MECOP Engineering Seminar
MATH 327	Discrete Math
PHY 221	General Physics with Calculus
PHY 222	General Physics with Calculus
WRI 227	Technical Report Writing
WRI 350	Documentation Development
ADDITIONAL COURSES TO BE COMPLETED BEFORE SECOND INTERNSHIP*	

CST 412	Senior Development Project
CST 415	Computer Networks
CST 422	Senior Development Project
ENGR 407	MECOP Engineering Seminar
MATH 465	Mathematical Statistics

*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.