

Embedded Systems Engineering Technology

Coursework

Oregon Institute of Technology

REQUIREMENTS FOR MECOP ADMISSION

Junior standing and completed required courses for admission to the upper division degree program by Fall Term of MECOP Year 1.

CLASSES REQUIRED FOR FIRST MECOP INTERNSHIP

CST 204	Introduction to Microcontrollers
CST 211	Data Structures
CST 240	UNIX
CST 276	Software Design Patterns
CST 315	Embedded Sensor Interfacing and I/O
CST 337	Embedded System Architecture
CST 347	Real-Time Embedded Operating Systems
CST 371	Embedded Systems Development I
CST 372	Embedded Systems Development II
CST 373	Embedded Systems Development III
CST 417	Embedded Networking
EE 221	Circuits I
MATH 252	Integral Calculus
WRI 227	Technical Report Writing

ADDITIONAL CLASSES REQUIRED FOR SECOND MECOP INTERNSHIP

CST 455	System on a Chip Design
CST 456	Embedded System Testing
CST 466	Embedded System Security
PHY 221	General Physics with Calculus
PHY 222	General Physics with Calculus
WRI 350	Documentation Development

Additional courses are required by your university and must be taken at the appropriate times to ensure timely graduation. Each student is required to develop an individualized course plan of study with an academic advisor, any deviations must be approved by the academic advisor.