

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

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| CST 204 | Introduction to Microcontrollers |
| CST 211 | Data Structures |
| CST 240 | Linux Programming |
| 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 or CST 207 | Circuits I or AC/DC Circuits |
| MATH 252 | Integral Calculus |
| WRI 227 | Technical Report Writing |

ADDITIONAL CLASSES REQUIRED FOR SECOND MECOP INTERNSHIP

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| CST 471 | Senior Project 1 |
| CST 472 | Senior Project 2 |
| CST 473 | Senior Project 3 |
| PHY 221 | General Physics with Calculus |
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| WRI 350 | Documentation Development |

Additional courses are required 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.