

**Counseling Services
College of the Siskiyous**

OIT / COS Lower Division Major Requirements Guide

DRAFT

Embedded Systems/Engineering Technology

04/27/10

Oregon Institute of Technology		College of the Siskiyous	
CST 116	C++ Programming I	CSCI 7	Programming I
CST 126	C++ Programming II	CSCI 8	Programming II
CST 130	Computer Organization	OIT	
CST 131	Computer Architecture	OIT	
CST 133	Digital Electronics II-Sequential Logic with HDL	OIT	
CST 136	Object-Orientated Programming with C++	OIT	
CST 162	Introduction to Digital Logic	OIT	
CST 204	Introduction to Microcontrollers	OIT	
CST 211	Data Structures	OIT	
CST 231	Computer Design with Programmable Logic	OIT	
CST 232	Computer Design with Programmable Logic Lab	OIT	
CST 250	Computer Assembly Language	OIT	
EE 221	Circuits I – DC & 1 st Order transient Analysis	OIT	
EE 223	Circuits II-AC & 2 nd Order Transient Analysis	OIT	
MATH 111	College Algebra	MATH 10	College Algebra
MATH 112	Trigonometry	MATH 4	Pre-Calculus
MATH 251	Differential Calculus	MATH 5A	Calculus and Analytic Geometry I
MATH 252	Integral Calculus	MATH 5B	Calculus and Analytic Geometry II
MATH 254N	Vector Calculus	(MATH 5C)	Calculus and Analytic Geometry III
PHY 221	General Physics w/Calculus	PHYS 4A	Mechanical Physics, Oscillations, and Waves
PHY 222	General Physics w/ Calculus	PHYS 4B	Electrical Physics, Light
PSY 201	Psychology	PSY 1	General Psychology
SPE 111	Fundamentals of Speech	SPCH 1	Public Speaking
SPE 321	Small Group & Team Communication	SPCH 2	Group Communication
WRI 121	English Composition	ENGL 1A	College Composition
WRI 122	English Composition	ENGL 1C	Advanced Composition-Critical Thinking
WRI 227	Technical Report Writing	(ENGL 4)	Technical Writing
CST 103+104+105	Introduction to Computer Systems I, II, & III	OIT	
Various	Social Science Elective (6qtr)	Various	Any coursework from IGETC Area 4 (6sem)

OIT = Take at OIT
qu = quarter units (qu x .667 = semester units)

() = this articulation has been proposed to OIT
su = semester units (su x 1.5 = quarter units)