

# OCCC Engineering - Transfer to **OU Electrical Engineering**

Associate in Science

7/19/2016

Year	FIRST SEMESTER	HRS	SECOND SEMESTER	HRS
<b>FRESHMAN</b>	<b>OCCC</b>		<b>OCCC</b>	
	MATH 2104, Calculus and Analytic Geometry I	4	MATH 2214, Calculus and Analytic Geometry II	4
	CHEM 1115, General Chemistry I	5	PHYS 2014, Engineering Physics I	4
	ENGL 1113, English Composition I	3	ENGL 1213, English Composition II	3
	SCL 1001, Success in College and Life	1	<b>CS 1143, Beginning Programming</b>	<b>3</b>
	ENGR 1113, Introduction to Engineering	3		
<b>TOTAL CREDIT HOURS</b>		<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>14</b>
<b>SUMMER</b>	<b>SUMMER/INTERSESSION/ONLINE</b>			
	PSY 1113, <i>Intro to Psychology (OR)</i>	3		
	SOC 1113, <i>Intro to Sociology</i> <i>Applies to Social Sciences at OU</i>			
	HIST U.S. History Elective	3		
<b>TOTAL CREDIT HOURS</b>		<b>6</b>		
<b>SOPHOMORE</b>	<b>OCCC</b>		<b>OCCC</b>	
	MATH 2314, Calculus and Analytic Geometry III	4	ENGR 2613, <i>Electrical Science</i>	3
	PHYS 2114, Engineering Physics II	4	PHYS 2223, <i>Modern Physics</i>	3
	MATH 2413, <i>Ordinary Differential Equations</i>	3	GEOG 2603, <i>World Regional Geography (OR)</i>	3
	POLSC 1113 American Federal Government	3	HUM 2143, <i>Mythology</i>	
			HUM 1113, <i>Music Appreciation (OR)</i>	3
		ART 1053, <i>Art Appreciation (OR)</i>		
		HUM 2243, <i>Film Studies</i>		
<b>TOTAL CREDIT HOURS</b>		<b>14</b>	<b>TOTAL CREDIT HOURS</b>	<b>12</b>
<b>SUMMER</b>	<b>OU</b>			
	<b>SUMMER/INTERSESSION/ONLINE</b>			
	ECE 2214, <i>Intro to Digital Design</i>	4		
	ECE 2713, <i>Digital Signals and Filtering</i>	3		
ENGR 3511, <i>Transfer Students</i>	1			
<b>TOTAL CREDIT HOURS</b>		<b>8</b>		
<b>JUNIOR</b>	<b>OU (After Admitted to Upper Division ECE)</b>		<b>OU</b>	
	ECE 3613, <i>Electromagnetic Fields I</i>	3	MATH 3333, <i>Linear Algebra I</i>	3
	ECE 3723, <i>Electrical Circuits II</i>	3	ECE 3113, <i>Energy Conversion I</i>	3
	ECE 3773, <i>ECE Circuits Laboratory</i>	3	ECE 3223, <i>Microprocessor System Design</i>	3
	ECE 3813, <i>Introductory Electronics</i>	3	ECE 3793, <i>Signals and Systems</i>	3
	ISE 3293, <i>Applied Engineering Statistics</i>	3	ECE 3873, <i>ECE Electronics Laboratory</i>	3
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>
<b>SENIOR</b>	<b>OU</b>		<b>OU</b>	
	ECE 3323, <i>Intro to Solid State Electronic Devices</i>	3	ECE 4773, <i>Laboratory-Special Projects (Capstone)</i>	3
	ECE 4273, <i>Digital Design Lab</i>	3	§ECE Elective	3
	§ECE 4000-level or higher Elective	3	§ECE 4000-level or higher Elective	3
	§ECE 4000-level or higher Elective	3	§Professional Elective	3
	ENGR 2002, <i>Professional Development</i>	3	Approved Elective, <i>Core IV: Non-Western Culture</i>	3
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

Courses required before applying to ECE Upper Div. Courses

OCCC Total Hours\*: 62

Bring Modern Physics Syllabus to OU Advising (Dr. Thurston).

OU Total Hours: 68

CS 1143 Handled on a Case-by-Case Basis.

\*One hour of majors credit may need to be transferred back to OCCC to complete degree requirements

§Electives selected from list in the ECE Office, CEC 218; all are upper-division & engineering related; 1.5 hrs design credit minimum.

†To be chosen from the University-Wide General Education Approved Course List. Three of 12 hours must be upper division.