OCCC Engineering - Transfer to OU Computer Engineering

Associate in Science Min. 62 Credits   3/24/2016

Year	FIRST SEMESTER	HRS	SECOND SEMESTER	HRS
FRESHMAN	**OCCC** MATH 2104, Calculus and Analytic Geometry I — 4 CHEM 1115, General Chemistry I — 5 ENGL 1113, English Composition I — 3 SCL 1001, Success in College Life — 1 ENGR 1113, Introduction to Engineering — 3		**OCCC** MATH 2214, Calculus and Analytic Geometry II — 4 PHYS 2014, Engineering Physics I — 4 ENGL 1213, English Composition II — 3 HUM 1113, Music Appreciation (OR) — 3 ART 1053, Art Appreciation (OR) HUM 2243, Film Studies CS 1143, Beginning Programming — 3 (Prerequisite for CS 2163 at OCCC)	
	TOTAL CREDIT HOURS	16	**TOTAL CREDIT HOURS**	17
SUMMER	**OCCC SUMMER/INTERSESSION/ONLINE** PSY 1113, *Intro to Psychology* **(OR)** — 3 SOC 1113, *Intro to Sociology* **Applies to Social Sciences at OU** POLSC 1113, American Federal Government — 3			
	TOTAL CREDIT HOURS	6		
SOPHOMORE	**OCCC** MATH 2314, Calculus and Analytic Geometry III — 4 PHYS 2114, Engineering Physics II — 4 CS 2163, Java — 3 MATH 2413, Ordinary Differential Equations — 3		**OCCC** ENGR 2613, Electrical Science — 3 **OU (Concurrent Enrollment)** ECE 2214, Intro to Digital Design — 4 ECE 2713, Digital Signals and Filtering — 3 C S 2334, Programming Structures & Abstra. — 4 ENGR 3511, Transfer Students — 1 ‡*Apply to Upper Division ECE Courses Before Enrolling in 1st Semester Junior Year (2.0 GPA)*	
	TOTAL CREDIT HOURS	14	**TOTAL CREDIT HOURS**	15
SUMMER	**OCCC SUMMER/INTERSESSION/ONLINE** HIST U.S. History Elective — 3 GEOG 2603, *World Regional Geography* **(OR)** — 3 HUM 2143, *Mythology* **Applies to Western Civilization Humanity at OU**			
	TOTAL CREDIT HOURS	6		
JUNIOR	**OU (If Admitted to Upper Division ECE)** MATH 3333, Linear Algebra I — 3 ‡ECE 3723, Electrical Circuits II — 3 ‡ECE 3773, ECE Circuits Laboratory — 3 ‡ECE 3813, Introductory Electronics — 3 C S 2813, Discrete Structures — 3		**OU** C S 2413, Data Structures — 3 ‡ECE 3223, Microprocessor System Design — 3 ‡ECE 3793, Signals and Systems — 3 ‡ECE 3873, ECE Electronics Laboratory — 3 §ECE/CS 3000 - 4000 Elective — 3	
	TOTAL CREDIT HOURS	15	**TOTAL CREDIT HOURS**	15
SENIOR	**OU** ‡ECE 4273, Digital Design Laboratory — 3 ‡ECE 4613, Computer Architecture — 3 ISE 3293, Applied Engineering Statistics — 3 §ECE/CS 3000-4000-level Elective — 3		**OU** ‡ECE 4773, Laboratory-Special Projects (Capstone) — 3 §ECE/CS 4000- or higher level Elective — 3 §ECE/CS 4000- or higher level Elective — 3 §Professional Elective — 3 †Approved Elective, *Core IV: Non-Western Culture* — 3	
	TOTAL CREDIT HOURS	12	**TOTAL CREDIT HOURS**	15

Need Courses to Apply to ECE Upper Division Courses (2.0 GPA)	**Could take Electrical Science at OU and transfer back to OCCC.**

§Electives to be selected from list available in the ECE office, CEC 218.   **OCCC Total Hours:** 62
Technical Electives must satisfy Depth Requirement.   **OU Total Hours:** 69

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

If Student needs Math below Calculus level at OCCC, take CS 2363 and CS 2463 (CS 2334 at OU).