OCCC Engineering - Transfer to OU Industrial & Systems Engineering

Associate in Science   8/29/2017

Year	FIRST SEMESTER	HRS	SECOND SEMESTER	HRS
FRESHMAN	**OCCC**		**OCCC**	
	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 Life	1	CS **1143,** Beginning Programming*	3
	ENGR **1113**, Introduction to Engineering	3		
	TOTAL CREDIT HOURS	**16**	**TOTAL CREDIT HOURS**	**14**
SUMMER	**SUMMER/INTERSESSION/ONLINE**			
	ENGR **2243,** Statics	3		
	PSY **1113,** *Intro to Psychology* **(OR)**	3		
	SOC **1113,** *Intro to Sociology*			
	TOTAL CREDIT HOURS	**6**		
SOPHOMORE	**OCCC**		**OCCC**	
	MATH **2314,** Calculus and Analytic Geometry III	4	ENGR **2333,** Thermodynamics	3
	PHYS **2114,** Engineering Physics II	4	ENGR **2303,** Materials, Design & Manuf. Processes	3
	ENGR **2143,** Strength of Materials	3	HIST U.S. History Elective	3
	GEOG **2603,** *World Regional Geography* **(OR)**	3	POLSC **1113,** American Federal Government	3
	HUM **2143,** *Mythology*		HUM **1113,** *Music Appreciation* **(OR)**	3
			ART **1053,** *Art Appreciation* **(OR)**	
			HUM **2243,** *Film Studies*	
	TOTAL CREDIT HOURS	**14**	**TOTAL CREDIT HOURS**	**15**
SUMMER	**OU (Fills quickly--enroll early!)**			
	ISE **3293,** Applied Engineering Statistics	3		
	TOTAL CREDIT HOURS	**3**		
JUNIOR	**OU**		**OU**	
	ISE **4553,** Data-Driven Decision Making I	3	ISE **4223,** Fundamentals of Engineering Economy	3
	ISE **4623,** Deterministic Systems Models	3	ISE **4563,** Quality Engineering	3
	ISE **4113,** Spreadsheet-Based Decision Support Sys.	3	ISE **4633,** Probabilistic Systems Models	3
	ISE **2823,** Enterprise Engineering	3	ISE **4804,** Ergonomics in Systems Design	4
	ENGR **3511,** Transfer Students	1	ISE **2311,** Comp. Aided Design & Graphics Lab	1
	MATH **3333,** Linear Algebra	3	ENGR **2002,** Professional Development	3
	TOTAL CREDIT HOURS	**16**	**TOTAL CREDIT HOURS**	**14**
SENIOR	**OU**		**OU**	
	ISE **4333,** Production Systems and Operations	3	ISE **4393,** Capstone Design Project (Capstone)	3
	ISE **4663,** Systems Analysis Using Simulation	3	ISE **Elective‡**	3
	ISE **4853,** Data-Driven Decision Making II	3	ISE **Technical Elective***	3
	ISE **4383,** Systems Evaluation	3	Approved Elective : Non-Western Culture (Core IV)†	3
	ISE **3304,** Design and Manufacturing II	4	ENGR **2431,** Electrical Circuits	1
	TOTAL CREDIT HOURS	**16**	**TOTAL CREDIT HOURS**	**13**

Prerequisite Courses required for 1st Semester Junior Year.	**OCCC Total Hours: 65**
* CS 1143 Handled on a case-by-case basis to replace CS 1313 at OU.	**OU Total Hours: 62**

§To be chosen from the approved list of math electives consisting of MATH 2513, 3113, 3333, 3413, 3513, 3613, 4433, or C S 1813.

‡To be chosen from an approved list of IE electives available in the IE office, CEC 116.

*To be chosen from an approved list of IE technical electives available in the IE office, CEC 116.

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