OCCC Engineering - Transfer to OU Mechanical 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*			
	Applies to Social Sciences at OU			
	TOTAL CREDIT HOURS	**6**		
SOPHOMORE	**OCCC**		**OCCC**	
	MATH 2314, Calculus and Analytic Geometry III	4	**ENGR 2523**, Dynamics	3
	PHYS 2114, Engineering Physics II	4	**ENGR 2613**, Electrical Science	3
	ENGR 2333, Thermodynamics	3	**ENGR 2303**, Materials, Design & Mfg Processes	3
	HUM 1113, *Music Appreciation* **(OR)**	3	**MATH 2413**, Ordinary Differential Equations	3
	ART 1053, *Art Appreciation* **(OR)**		**GEOG** 2603, World Regional Geography	3
	HUM 2243, *Film Studies*			
	Applies to Artistic Forms Humanity at OU		***Apply to OU Professional School before Enrolling in 1st Semester Junior Year (3.0 GPA beginning with incoming freshmen Summer 2015)***	
	TOTAL CREDIT HOURS	**14**	**TOTAL CREDIT HOURS**	**15**
SUMMER	**SUMMER/INTERSESSION/ONLINE**			
	OU		***Students starting college in Summer 2015 or later need 3.0 GPA and minimum of "C" in: Calc I & II, Chem I, and Engr. Phys. I***	
	§HIST U.S. History Elective	3		
	§POLSC 1113, American Federal Government	3		
	TOTAL CREDIT HOURS	**6**		
JUNIOR	**OU (Admitted to Professional Program)**		**OU**	
	ENGR 3511, Transfer Students	1	**•AME 3103**, Interactive Engr Design Graphics	3
	•AME 3112, Solid Mechanics Lab	2	**•AME 3122**, Heat Transfer & Fluid Mech Lab	2
	•AME 3143, Solid Mechanics	3	**•AME 3173**, Heat Transfer	3
	•AME 3153, Fluid Mechanics	3	**•AME 3353**, Design of Mechanical Components	3
	•AME 3723, Numerical Methods for Engr Comp	3	**ENGL 3153**, Technical Writing	3
	# Approved Technical Elective	3	**ENGR 2002**, Professional Development	2
	TOTAL CREDIT HOURS	**15**	**TOTAL CREDIT HOURS**	**16**
SENIOR	**OU**		**OU**	
	PHYS 3223, Modern Physics for Engineers	3	**•AME 4553**, Design Practicum (Capstone)	3
	•AME 3363, Design of Thermal-Fluid Systems	3	**†ANTH 4623**, Approaches to Cross-Cultural Human Problems (or advisor approved substitution) *Non-Western Culture (Core IV)*	3
	•AME 4163, Principles of Engr. Design	3		
	# Approved Engineering Science Elective	3	**# Approved Engineering Science Elective**	3
	# Approved Experimental Elective	2	**# Approved Technical Elective**	3
	TOTAL CREDIT HOURS	**14**	**TOTAL CREDIT HOURS**	**12**

Required Courses for Admittance to Professional Program with 3.0 GPA

OCCC Total Hours: 65

•AME Courses are Sequential and usually offered only in the semester shown.

OU Total Hours: 63

§ Transfer credit for these courses from OU back to OCCC to complete graduation requirements for AS degree. Could sub other gen ed courses.

 # A list of Technical, Experimental, and Engineering Science electives is available in the AME office, FH 212.

Could take Solid Mechanics (Strengths of Mat.), Fluid Mechanics, or Modern Physics at OCCC. Will have to replace those credits with other courses at OU to reach minimum of 60 hours. If you take Modern Physics at OCCC (w/Dr. Thurston), bring syllabus to OU Advising.