

Arkansas State University-Jonesboro
Degree: Bachelor of Science in Civil Engineering
2011-2012

Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. A minimum of 132 credit hours, of which 45 hours must be upper division credit (3000-4000 level), is required for this degree (developmental courses are excluded). Mandatory state and institutional assessment exams will be required during your degree program. Failure to participate in required assessments may delay graduation.

Year 1 Fall Semester				Year 1 Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
BIOL 1063	People and the Environment	3X		CHEM 1011	Lab for General Chemistry I	1X	
ENG 1003	Composition I	3X		CHEM 1013	General Chemistry I	3X	
ENGR 1402	Concepts of Engineering (FYE)	2		ENG 1013	Composition II	3X	
MATH 2204	Calculus I	4X		ENGR 1412	Software Applications for Engineers	2	
ANTH 2233 or HIST 1013 or 1023 or GEOG 2613	Intro to Cultural Anthropology or World Civilization to 1660 or World Civilization since 1660 or Intro to Geography	3	X	MATH 2214	Calculus II	4	
PE 1002	Concepts of Fitness	2X		PHYS 2034	University Physics I	4X	
Total Hours		17		Total Hours		17	
Year 2 Fall Semester				Year 2 Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ENGR 2403	Statics	3		ENGR 2411	Lab, for Mechanics of Materials	1	
CE 2223	Plane Surveying	3		ENGR 2413	Mechanics of Materials	3	
MATH 3254	Calculus III	4		ENGR 3471	Lab for Fluid Mechanics	1	
SCOM 1203	Oral Communications	3X		ENGR 3473	Fluid Mechanics	3	
CHEM 1023 & 1021 or GEOL 1003 & 1001 or PHYS 2044	Gen Chemistry II and Lab or Environmental Geology or University Physics II	4		MATH 4403	Differential Equations	3	
				CE 2202	C.E. Presentations	2	
				CE 3213	Structural Analysis I	3	
Total Hours		17		Total Hours		16	

Year 3 Fall Semester				Year 3 Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ENG 2003 or ENG 2013 or PHIL 1103	Intro to Lit I or Intro to Lit II or Intro to Philosophy		3X	CE 4223	Transportation Engineering	3	
ENGR 3433	Engineering Economics	3		CE 4253	Soil Mechanics	3	
ENGR 3443	Engineering Thermo. I	3		CE 4251	Lab for Soil Mechanics	1	
ENGR 4453	Num. Meth. For Engineers	3		CE 3253	Engineering Hydrology	3	
CE 3233	Structural Analysis II	3		ENGR 3423	Dynamics	3	
CE 3223	C.E. Materials	3		ENGR 2421	Lab for Electric Circuits I	1	
				ENGR 2423	Electric Circuits I	3	
Total Hours		18		Total Hours		17	
Year 4 Fall Semester				Year 4 Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
CE 3263	Intro. To Environmental Engineering	3		ENGR 4483	Senior Design II	3	
CE 4243	Reinforced Concrete	3		Art 2503 or Mus 2503 or Thea 2503	Fine Arts Visual or Musical or Theatre	3X	
ENGR 4463	Senior Design I	3		HIST 2763 or 2773 or POSC 2103	US History to or since 1876 or Intro to US Government	3X	
CE 3273	Water and Waste Systems	3		ECON 2313 or 2333 or POSC 1003 or PSY 2013 or SOC 2213	Principles of Macroeconomics or Economic Issues and Concepts or Intro to Politics or Intro to Psychology or Intro to Sociology)	3X	
CE 4233	Foundation Engineering	3		CE 4283	Structural Steel Design	3	
Total Hours		15		Total Hours		15	
Total Jr/Sr Hours (after 1st 30)		63		Total Degree Hours		132	