

FAB Engineering – Agricultural Engineering Specialization

Suggested GUIDE only. Semesters of offerings subject to change.

Rev. 6/6/13

Name: _____
E-Mail: _____

2013-2014

ID #: _____
Entered OSU: (Qtr) _____ (Acad Yr) _____

General Education and Tech Elec course lists available in 260 Ag Eng Bldg

NOTE: Bolded courses offered once/year.

Yr.	Autumn Semester	Spring Semester	Yr.
1	Engineer 1110.10 (Intro to OSU and FABE I) 0.5 _____ Chemistry 1250 (Chem for Enginrs - Selected topics) 4 _____ * Engineer 1181.xx (Fundamentals of Engineering I) 2 _____ Math 1151 (Engineering Calculus I) 5 _____ <i>General Education course</i> *Note: Honors and Scholars versions available	Engineer 1120.10 (Intro to OSU and FABE I) 0.5 _____ CSE 1221 or Engineer 1222 (Computer Programming) 2 _____ * Engineer 1182.xx (Fundamentals of Engineering II) 2 _____ Math 1172 (Engineering Calculus II) 5 _____ Physics 1250 (Mechanics, Thermal Physics, Waves) 5 _____ <i>English 1110 (First-year English Composition)</i>	32
	Target/Actual: 14.5 _____	Target/Actual: 17.5 _____	
2	FABE 2100 (Energy in Bio-systems) 1 _____ FABE 2710 (Surveying) 2 _____ Math 2177 (Mathematical Topics for Engineers) 4 _____ Mech Eng 2010 (Statics) 2 _____ Physics 1251 (E&M, Optics, Modern Physics) 5 _____ <i>Engineering 2367 (Writing for Engineer, Gen Educ)</i>	FABE 2110 (Fluid Mechanics in FABE) 4 _____ FABE 2720 (Principles of Soil & Water Engineering) 2 _____ ISE 2040 (Engineering Economics) 2 _____ Mech Eng 2020 (Mechanics of Materials) 3 _____ <i>Applied Biological or Agricultural Science elective course</i> <i>General Education course</i>	33
	Target/Actual: 17 _____	Target/Actual: 17 _____	
3	FABE 2120 (Thermodynamics in FABE) 4 _____ FABE 3810 (Agricultural Structures) 3 _____ Mech Eng 2030 (Dynamics) 3 _____ • <i>Technical Elective</i> • <i>Technical Elective</i> • Note: Power & Machinery students should take Eng 4410 in AU and TE in SP	FABE 3130 (Heat & Mass Transfer in FABE) 4 _____ FABE 3140 (Professional Development in FABE) 1 _____ FABE 3150 (System Dynamics & Electricity) 4 _____ FABE 3610 (Utilization of Energy in Agriculture) 3 _____ • Engineer 4410.01 (Computer Graphics - AutoCad) 2 _____ <i>General Education course</i>	33
	Target/Actual: 16 _____	Target/Actual: 17 _____	
4	FABE 4900 (Capstone Design I) 3 _____ FABE 5160 (Electronics, Measurement, & Instrumentation) 4 _____ FABE 5820 (Environmental Controls and Air Quality) 3 _____ • <i>Technical Elective</i> • <i>Technical Elective</i> • <i>General Education course</i>	FABE 4170 (Program Review for FABE) 0 _____ FABE 4910 (Capstone Design II) 3 _____ FABE 5730 (Design of Aricultural Water Mgmt Systems) 3 _____ • <i>Technical Elective</i> • <i>Technical Elective</i> • <i>General Education course</i> • <i>General Education course</i>	34
	Target/Actual: 16 _____	Target/Actual: 17 _____	

Check On-line Course Bulletin for availability of other courses.

GENERAL EDUCATION (24 hrs.)	TECHNICAL ELECTIVES: (14-15 hrs.)
A total of 18 hours (or 5 courses) must be taken between History, Social Sciences, and Arts & Humanities, PLUS 6 hours (2 courses) of English and Communication (Second Writing Course)	() _____
History Survey (3 hrs) _____ () _____	() _____
English and Communication Skills (6 hrs.)	() _____
English 1110.xx _____ () _____	() _____
(2367.) _____ () _____	Total: _____
2nd History or Cultures & Ideas (3 hrs) _____ () _____	Applied Biology or Ag Science: (3-4 hrs.)
Literature (3 hrs.) _____ () _____	() _____
Select appropriately identified GE courses eligible to double count from list on the back of this sheet	() _____
Ethics (3 hrs) (May overlap another GE category) _____ () _____	Total: _____
Social Diversity in the US (3 hrs) (May overlap another GE category) _____ () _____	Hours Required
Social Sciences (6 hrs., only 1 per group) _____ () _____	Required Engineering Courses (ABET 48): 58
_____ () _____	Math and Science Courses (ABET 32): 32
_____ () _____	General Education: 24
	Technical Electives: 14-15
	Applied Biology or Ag Sciences: 3-4
	Total: _____
	Minimum Required to Graduate: 132