

FAB Engineering – Food Engineering Specialization

Suggested GUIDE only. Semesters of offerings subject to change.

Rev. 6/6/2013

Name: _____

2013-2014

ID #: _____

E-Mail: _____

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 1210 (General Chemistry I) 5 _____ * 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 II) 0.5 _____ Chemistry 1220 (General Chemistry II) 5 _____ * 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, Gen Educ)</i>	33
	Target/Actual: 15.5 _____	Target/Actual: 17.5 _____	
2	FABE 2100 (Introduction to FABE) 1 _____ Biology 2100 (Biol for Engr) or Biol 1113 (Quant Biol) 4 _____ Math 2177 (Mathematical Topics for Engineers) 4 _____ Physics 1251 (E&M, Optics, Modern Physics) 5 _____ <i>Engineering 2367 (Writing for Engineer, Gen Educ)</i>	FABE 2110 (Fluid Mechanics in FABE) 4 _____ Chemistry 2310 (Intro Organic Chemistry) or 2510 (Orgnc Chem) 4 _____ Engineering 1221 or CSE 1222 (Computer Programming) 2 _____ Microbiology 4000 (Basic and Practical Microbiology) 4 _____ <i>General Education course</i>	32
	Target/Actual: 17 _____	Target/Actual: 16 _____	
3	FABE 2120 (Thermodynamics in FABE) 4 _____ Chemistry 4200 (Fundamntls of Physical Chem I) 3 _____ Food, Science & Techn 5536 (Food Microbiology) 3 _____ ISE 2040 (Engineering Economics) 2 _____ <i>Technical Elective</i> <i>General Education course</i>	FABE 3130 (Heat & Mass Transfer in FABE) 4 _____ FABE 3140 (Professional Development in FABE) 1 _____ FABE 3150 (System Dynamics & Electricity) 4 _____ FABE 4410 (Unit Operations in Food Engineering) 3 _____ Engineer 4410.01 (Computer Graphics - AutoCad) 2 _____ <i>General Education course</i>	35
	Target/Actual: 18 _____	Target/Actual: 17 _____	
4	FABE 4900 (Capstone Design I) 3 _____ FABE 5160 (Electrnics, Measrement, & Instrmentation) 4 _____ <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 5410 (Advanced Food Engineering) 3 _____ ChBE 3610 (Kinetics & Reactor Design) 4 _____ <i>Technical Elective</i> <i>General Education course</i>	32
	Target/Actual: 16 _____	Target/Actual: 16 _____	

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

GENERAL EDUCATION (24 hrs.)	TECHNICAL ELECTIVES: (9 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)	(any engineering or food science course, course, level ≥ 3000)
History Survey (3) _____ () _____ _____ () _____ 2nd History or Cultures & Ideas (3 hrs) _____ () _____ _____ () _____ Literature (3 hrs.) _____ () _____ _____ () _____ Visual & Performing Art (3 hrs.) _____ () _____ _____ () _____ Social Sciences (6 hrs., only 1 per group) _____ () _____ _____ () _____ _____ () _____	_____ () _____ _____ () _____ _____ () _____ _____ () _____ _____ () _____ Total: _____
<div style="border: 1px solid black; padding: 2px; text-align: center;"> English and Communication Skills (6 hrs.) </div> English 1110.xx _____ () _____ _____ (2367.) _____ () _____ Total: _____	
<div style="border: 1px solid black; padding: 2px; text-align: center;"> Select appropriately identified GE courses eligible to double count from list on the back of this sheet </div> Ethics (3 hrs) (May overlap another GE category) _____ () _____ _____ () _____ Social Diversity in the US (3 hrs) (May overlap another GE category) _____ () _____ _____ () _____	
	<div style="border: 1px solid black; padding: 2px; text-align: center;"> Hours Required </div> Required Engineering Courses (ABET 48): 48 Math and Science Courses (ABET 32): 51 General Education: 24 Technical Electives: 9 Total: _____
	<div style="border: 1px solid black; padding: 2px; text-align: center;"> Minimum Required to Graduate: 132 </div>