Food, Agricultural and Biological Engineering – Agricultural Engineering Option 2009-2010

Name: _____ E-mail: _____@osu.edu

Phone: _____ New to OSU: (Qtr)_____(Yr)_____

YEAR	AUTUMN	WINTER	SPRING
1	Chem 121 (Gen Chem)……5____ Engr 181.01 (Intro to Engr I)……3____ Math 151.0X (Calc & Analy Geom)..5____ Engr 100.08….Engr Survey)……1____	Chem 125 (Chem for Engr)……4____ Engr 183.0X (Intro to Engr II)……3____ Math 152.0X (Calc & Analyc Geom)... 5____ Physics 131 (Partcls & Motion)…… 5____	EnGraph 167 (Prob Slv Prog Engr) *or* CIS 202 (Prog Algro Engr &Sci)…..4____ Math 153.0X (Calc & Analyc Geom)….5____ Physics 132 (Electrcty &Magntsm)……5____
2	FABE 225 (Intro to FABE)……3____ Math 254.0X (Calc & Analyc Geom).5____ ME 410 (Statics)……4____ Physics 133 (Elctrdynmc & Quant)…5____	FABE 325 (Trans in FAB Systs)……3____ Math 415.0X (Ord Part Dff Equat)……4____ ME 430 (Dynamics)……4____	*EnGraph 410A (Computer Graph)….3____ FABE 373 (Soil & Water Engr)……3____ ME 420 (Intro Strength Materials)……4____
3	CE 413 (Fluid Mechanics)……4____ FABE 545 (Agr Structures)……4____	FABE 425 (Anlys Elem Bio-Phys Sys).4____ ISE 504 (Engr Econ Analysis)……3____ ME 501 (Thermodynamics)……4____	FABE 525 (Elec Pwr Sys for Agr)……4____ FABE 565 (Utiliz of Engr in Agr)……4____ ME 510 (Heat Transfer)……3____
4	FABE 605 (Measure & Instrumnt)……4____ **FABE 625 (Mdl & Dsgn Biol Sys) …4____ FABE 695 (Prof Development)……1____ FABE 723 (Capstone Dsgn I)……2____	FABE 724 (Capstone Dsgn II)……2____	FABE 645 (Envr Cntr for Agr Struct)….4____ FABE 673 (Dsgn Agr Wtr Mngt Sys)… 4____ FABE 725 (Capstone Dsgn III)…… 2____

Courses printed in BOLD taught one quarter/year. Check Course Bulletin On-line for availability of other courses.

GENERAL EDUCATION (35 hrs)

English & Communication Skills (10)

English 110.0X (5) _____

(367.) (5) _____

A total of 25 hours (or 5 courses) must be taken between History, Arts & Humanities, and Social Sciences

History Survey (5-10)

_____ ( ) _____

_____ ( ) _____

Arts and Humanities (5-10)

_____ ( ) _____

_____ ( ) _____

Social Sciences (5-10)

_____ ( ) _____

_____ ( ) _____

TECHNICAL ELECTIVES (24 hrs; exceeding 7 hrs. of non-eng courses requires approval)

_____ ( ) _____

_____ ( ) _____

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_____ ( ) _____

_____ ( ) _____

Total: _____

Ethics (5) (May replace one A&H or Soc Science)

_____ ( ) _____

Social Diversity (May overlap another GEC)

_____ ( ) _____

Admissions Condition(s) (if applicable)

_____ ( ) _____

HOURS REQUIRED

Sub-total Core……136

General Education…… 35

Technical Electives……24

TOTAL required hours: 195

* Preferred, but EnGraph 410 accepted

* *Substitutes available – see advisor

Acceptance into the Food, Agricultural and Biological Engineering major will depend upon the cumulative point-hour ratio (CPHR) and the secondary point-hour ratio (*SPHR*) at completion of the following pre-major courses: *Math 151.0X, 152.0X (or alternatives); Physics 131; Chemistry 121, and Engineering 181.01 & 183.0X.* A minimum *SPHR* of 2.0 is required. Students with a CPHR of 3.0 are assured acceptance. Currently there is no limit to the number of students accepted annually. See the departmental Academic Program Coordinator in 212 AE for application details.