Agricultural Engineering Flowchart, 2016-2017 (128 credits)
Animal Production Systems Engineering Option

SEMESTER

1
- ENGR 101 Orientation (8 cr) F/S
- ABE 170 Engr Graphics (3 cr) F/S
- MATH 165 Calc I (4 cr) F/S/SS
- CHEM 167 Lab (1 cr) F/S
- ENGL 150 Crit Thinking (3 cr) F/S/SS
- LIB 160 Lib Instruction (1 cr) F/S/SS

2
- ABE 110 Exp ABE (1 cr) S
- ABE 160 Engr Prob Solving (3 cr) F/S
- MATH 166 Calc II (4 cr) F/S/SS
- PHYS 221 Class Phys I (5 cr) F/S/SS
- ENGL 250 Composition (3 cr) F/S/SS

3
- ABE 216 Fund of ABE (3 cr) S
- EM 274 Stat of Engr (3 cr) F/S/SS
- PHYS 222 Class Phys II (5 cr) F/S/SS
- MATH 266 Diff Eq (3 cr) F/S/SS
- SS & H Elective (3 cr) F/S/SS

4
- ABE 218 Mgmt & Dsn (2 cr) S
- EM 324 Mech of Matl (3 cr) F/S/SS
- ME 231 Thermodynamics (3 cr) F/S/SS
- STAT 305 Engr Stat (3 cr) F/S/SS
- ABE 201 Work Prep (1 cr) F/S
- BIOL 211 or 251 (3 cr)

5
- EM 327 Lab (1 cr) F/S/SS
- ABE 316 Systems Modeling (3 cr) F/S
- GE 332 Struct Anlys I (3 cr) F/S
- ABE 363 Ag Ind App (4 cr) F/S
- EM 378 Mech of Fluids (3 cr) F/S/SS
- ANS 114 Surv. An. Ind. (2 cr)

6
- ABE 478 Dsn of Ag (3 cr) Alt S
- Comp. Graphic Elective (ABE 273 preferred) (1 cr)
- EM 333 Struct Steel Dsn (3 cr) F/S
- ME 436 Heat Transfer (4 cr) F/S/SS
- SS & H Elective (3 cr)
- Intl Perspective (3 cr)

7
- ANS AGRON Elective (3 cr)
- ABE 415 Ag Engr Dsn I (2 cr) F/S
- ABE 404 Instrumentation (3 cr) F/S
- ABE 475 APSE Pract (2 cr) F/S
- ABE Elective (3 cr)
- Comm Elective (3 cr) C or better
- US Diversity (3 cr)

8
- ABE 469 Grain Process (3 cr) S
- ABE 416 Ag Engr Dsn II (2 cr) F/S
- CE 334 Concrete Dsn I (3 cr) F/S
- ABE 472 Env Systems (Alt S)
- ABE Elective (3 cr) (Senior Class)
- ABE Elective (3 cr) (Senior Class)

LEGEND
- Co-Requisite Course
- Basic Program
- Pre-Requisite Course
- Basic Program
- Check with your adviser or go to the ABE Website for more information regarding electives.
- Course and term offerings are subject to change.
- Semesters Offered
  - F= Fall Session
  - S= Spring Session
  - SS= Summer Session

This Flowchart is only a guide. For more detailed information, including prerequisites and co-requisites see the ISU catalog.