

Food Science & Industry

Departmental List

2026-27

BUSINESS ELECTIVES

(Applicable subplan: Business)

Any course from the following prefixes:

- ACCTG
- AGECE
- BUS
- ECON
- ENTRP
- FINAN
- MANGT
- MIS
- MKTG
- SALES

Students pursuing the Business & Oper. Management sub-plan are strongly encouraged to complete a business-related minor or certificate (e.g., minor in Ag Business, Ag Economics, Ag Sales, Entrepreneurship, Marketing, Management, etc.; or certificate in Data Analytics, Professional Strategic Selling, Supply Chain Management, etc.).

PROCESSING ELECTIVES

(Applicable subplans: Science, Business, Technology)

Minimum 8 hrs from at least 2 commodity areas – Dairy, Grain, Meat, or Fruit/Vegetable. When lecture and lab components are separate course numbers, both are required.

| Course Number and Title | Credits | Semester Typically Offered (check KSIS for actual availability) | Online format |
|--|----------------|---|----------------------|
| ASI 308 – Dairy Foods Processing & Tech | 3 | (Varies, check KSIS) | No |
| ASI 310 – Poultry Products Evaluation | 2 | F | No |
| ASI 350 – Meat Science | 3 | F, S | Yes |
| ASI 370 – Principles of Meat Evaluation | 2 | F | No |
| ASI 405 – Fundamentals of Milk Processing | 3 | F | Check KSIS |
| ASI 610 – Processed Meat Operations | 2 | S | No |
| ASI 640 – Poultry Products Technology | 3 | (Varies, check KSIS) | Yes |
| FDSCI 510 – Fruit & Vegetable Processing and FDSCI 511 – Fruit & Vegetable Process Lab | 2 1 | (Varies, check KSIS) | No |
| GRSC 150 – Principles of Milling and GRSC 151 – Principles of Milling Lab | 2 1 | F, S | No |
| GRSC 602 – Cereal Science | 3 | F, S | Yes |
| GRSC 620 – Extrusion Processing | 4 | F, even years | No |
| GRSC 635 – Baking Science I and GRSC 636 – Baking Science I Lab | 2 2 | F | Yes |
| GRSC 637 – Baking Science II and GRSC 638 – Baking Science II Lab | 3 1 | S | Yes |
| GRSC 645 – Pet Food Processing | 4 | S | No |

PROFESSIONAL ELECTIVES

(Applicable subplans: Science, Technology)

- ACCTG – Any course
- AGCOM 222 - Agricultural Business Communications (3)
- AGCOM 310 - Communicating in the Agricultural Industry (3)
- AGCOM 590 - New Media Technology (3)
- AGCOM 610 - Crisis Communication (3)
- AGECE 120 - Ag Econ & Agribusiness (3) -OR- ECON 120 - Principles of Microeconomics (3)
- AGECE – Any course 200 level or above
- AGRON 335 Environmental Quality (3)
- ASI – Any course 200 level or above
- ATM 160 - Engineered Systems & Technology in Ag (3)
- ATM 245 - Introduction to Biomanufacturing Technology (3)
- ATM 446 - Regulatory Affairs for Biomanufacturing (1)
- ATM 345 - Cell Culture Technology in Biomanufacturing (3)
- ATM 445 - Separation Technologies for Biomanufacturing (3)
- ATM 460 - Internship in Agricultural Technology Management (1-3)
- ATM 536 - Agricultural Technology Management Capstone Project I (3)
- ATM 610 - Problems in Agricultural Technology Management (1-3)
- BAE 445 - Biological Engineering Fundamentals (3)
- BAE 447 - Cell Culture Technology Laboratory (2)
- BAE 448 - Separation Technologies Laboratory (2)
- BAE 536 - Biological Systems Engineering Senior Design I (3)
- BAE 610 - Problems in Biological Systems Engineering (1-3)
- BAE 626 - Bioseparations (3)
- BAE 636 - Biological Systems Engineering Senior Design II (1-3)
- BIOL – Any course 300 level or above
- BUS – Any course
- CC 110 - Introduction to Computing (2)
- CHE 626 - Bioseparations (3)
- CHM – Any course between 371 and 752
- CLSCS 105 - Medical Terminology: Latin and Greek for Scientists (2)
- CNRES – Any course
- COMM 311 - Business and Professional Speaking (3)
- COMM 320 – Theories in Human Communication (3)
- COMM 321 - Public Speaking II (3)
- COMM 323 – Nonverbal Communication (3)
- COMM 326 - Group Communication (3)
- COMM 332 – Communication & Technology (3)
- COMM 425 – Organizational Communication (3)

- COMM 535 - Communication and Leadership (3)
- DMP 313 Introduction to Epidemiology (3)
- DMP 314 Environmental and Public Health (3)
- DMP 710 - Introduction to One Health (2)
- DMP 754 - Introduction to Epidemiology (3)
- ECON – Any course
- ENGL 302 – Technical Writing (3)
- ENGL 312 - Writing with AI: Fundamentals of Generative AI Literacy (1)
- ENGL 412 - Writing with AI: Intermediate Generative AI Skills (1)
- ENGL 417 - Written Communication for the Workplace (3)
- ENGL 510 - Intro to Professional Writing (3)
- ENGL 516 - Written Communication for the Sciences (3)
- ENTRP – Any course
- FDSCI – Any course
- FINAN 450 - Principles of Finance (3)
- FNDH 301 - Food Trends, Laws and Regulations (3)
- FNDH 313 - Science of Food (4)
- FNDH 400 - Human Nutrition (3)
- FNDH 450 – Nutritional Assessment (2)
- FNDH 510 – Life Span Nutrition (2)
- FNDH 600 – Public Health Nutrition (3)
- FNDH 620 – Nutrient Metabolism (3)
- FNDH 635 – Sports Nutrition (3)
- FNDH 643 - Food Writing (3)
- GENAG 210 - Human and Cultural Diversity in Ag (3)
- GENAG 225 – Fundamentals of Global Food Systems Leadership (3) – cross-listed as LEAD & DAS
- GENAG 325 – Uncertainty in Global Food Systems Leadership (3) – cross-listed as LEAD & DAS
- GENAG 425 – Global Food Systems Leadership in Action (3) – cross-listed as LEAD & DAS
- GENAG 505 - Comparative Agriculture (1-4)
- GENBA 145 – Business and Society (3)
- GRSC – Any course
- HM 341 - Principles of Food Production Mgmt (3)
- HM 442 - Introduction to Wines (1)
- HORT 300 – Plants and Society (3)
- HORT 325 - Introduction to Organic Farming (3)
- HORT 541 - Hydroponic Food Production (2)
- HORT 542 - Hydroponic Food Production Lab (1)
- HORT 564 - Indoor Vertical Farming Systems (2)
- HORT 566 – Indoor Vertical Farming Systems Lab (1)
- HORT 780 - Health Promoting Phytochemicals (2)
- HORT 791 – Urban Agriculture (2)
- HORT 793 - Farm to Fork Produce Safety (2)
- KIN 360 - Anatomy and Physiology (8)

- KIN 361 – Anatomy and Physiology I (4)
- KIN 362 – Anatomy and Physiology II (4)
- LEAD 212 - Intro to Leadership Concepts (3)
- LEAD 350 – Culture and Context in Leadership (3)
- LEAD 405 – Leadership in Practice (3)
- LEAD 450 – Senior Seminar in Leadership Studies (3)
- LEAD 502 – Independent Study in Leadership Studies (0-3)
- MANGT – Any course ~~200 level or above~~
- MATH – Any course 200 level and above (except MATH 205)
- MC 110 – Mass Communication in Society (3)
- MKTG – Any course ~~200 level or above~~
- MSCI – Any course
- PFP 105 – Introduction to Personal Financial Planning (3)
- PHYS 114 - General Physics II (4)
- PHYS – Any course 200 level or above
- SALES – Any course
- SENS 701 - Sensory Analysis (3)
- Modern Languages – Any course (3-5)