Sustainable Food and Farming Online
Bachelor of Science Degree Requirements
(Revised for all students entering in September 2023 and thereafter)

The Bachelor of Science degree in Sustainable Food and Farming requires students to take courses in three categories:

I. University General Education Requirements (39 credits)
II. Core Sustainable Food and Farming Classes (28 credits)
III. Agricultural Science and Practice Electives (27 credits)

Total credits required for the B.S. degree = 120
Maximum transfer credits = 75
At least 60 credits must be “science” credits from the College of Natural Sciences
At least 30 credits must be taken in the Stockbridge School of Agriculture

III. University General Education Requirements
The General Education Program at the University of Massachusetts Amherst offers students a unique opportunity to develop critical thinking, communication, and learning skills that will benefit them for a lifetime. University GenEd requirements are:

- College Writing (CW) 3 credits
- General Mathematics (R1) 3 credits
- Analytical Reasoning (R2) 3 credits
- Biological Science (BS) 4 credits
- Physical Sciences (PS) 4 credits
- Arts or Literature (AT or AL) 4 credits
- Historical Studies (HS) 4 credits
- Social & Behav. Sci. (SB) 4 credits
- Social World (AT, AL, I, SI, SB) 4 credits
- U.S. Diversity (DU) 3 credits (may be combined with another GenED)
- Global Diversity (DG) 3 credits (may be combined with another GenED)
II. **Core Sustainable Food & Farming Courses (28 cr)**

**Plant and Soil Sciences (7 cr)**

STOCKSCH 106 – Soil Science (3)

AND

STOCKSCH 108 – Intro Botany (4)

**Chemistry (3 cr)**

STOCKSCH 117 – Agricultural Chemistry (3)

or

CHEM 111 – General Chemistry (4)

or

Chemistry at a community college with prior approval

**Junior Writing (3 cr )**

STOCKSCH 382 – Professional Development in Sust. Food & Farming (3),

**Sustainable Agriculture and Food Systems (3 cr)**

STOCKSCH 165 – Intro to Sustainable Agriculture and Food Systems (3)

**Environmental Issues (3 cr – at least one)**

STOCKSCH 186 – Intro to Permaculture (3)

STOCKSCH 270 – Sustainable Soil and Crop Management (3)

STOCKSCH 378 – Introductory Agroecology (3)

**Social and Community Issues (3 cr – at least one)**

STOCKSCH 263 – Agricultural Leadership and Community-based Education (3)

STOCKSCH 355 – Community Food Systems (3)

STOCKSCH 358 – Social Permaculture (3)

**Economic and business issues (3 cr – at least one)**

ACCNT 221 – Principles of Financial Accounting (3)

STOCKSCH 266 – Farm Management, Planning and Marketing (3)

STOCKSCH 354 – Non-profit Mgmnt. of Community-based Farming Progs. (3)

MKTG 301 – Fundamentals of Marketing (3)

**Integrative Experience (3 cr)**

STOCKSCH 379 – Agricultural Systems Thinking (3)
III. **Sustainable Agriculture & Food Systems Electives (27 cr)**

**Lower-level Electives (Maximum 9 cr applied towards requirements)**

- STOCKSCH 200 – Plant Propagation (3)
- STOCKSCH 209 – Holistic Fruit Production (3)
- STOCKSCH 211 – Pasture Management (3)
- STOCKSCH 255 – Herbaceous Plants (3)
- STOCKSCH 258 – Urban Agriculture (3)
- STOCKSCH 266 – Farm Management, Planning and Marketing (3)
- STOCKSCH 268 – Small Farm Husbandry I – Meat Animals (3)
- STOCKSCH 269 – Small Farm Husbandry II – Poultry & Pigs (3)
- STOCKSCH 270 – Sustainable Crop and Soil Management (3)
- STOCKSCH 280 – Herbs, Spices and Medicinal Plants (4)
- STOCKSCH 281 – Topics in Herbalism I (2)
- STOCKSCH 282 – Topics in Herbalism II (2)
- STOCKSCH 290B – Cultivation of Edible Mushrooms (3)
- STOCKSCH 290N – Native Food Systems (3) (OLO)
- STOCKSCH 297 L – Intro to Food and Agricultural Law (3)

**Mid-level Electives (Minimum 6 cr)**

- STOCKSCH 315 – Greenhouse Management (4)
- STOCKSCH 320 – Organic Vegetable Production (3)
- STOCKSCH 350 – Sustainable Soil and Crop Management
- STOCKSCH 354 – Non-profit Management for Community Food Programs (3)
- STOCKSCH 358 – Social Permaculture for Food Justice (3)
- STOCKSCH 365 – Hydroponics (4)
- STOCKSCH 378 – Intro Agroecology (3)
- STOCKSCH 386 – Sustainable Site Design and Planning (3)
- STOCKSCH 387 – Global Food Systems (3)

**Upper-level Electives (Minimum 6 cr)**

- STOCKSCH 510 – Management and Ecology of Plant Diseases (3)
- STOCKSCH 580 – Soil Fertility (3)
- STOCKSCH 581 – Integrated Pest Management (4-5)
- STOCKSCH 587 – Phyto/bioremediation (3)

**Practica and Independent Study (Maximum 9 cr)**

- STOCKSCH 396 or 496 – Independent Study (1-6)
- STOCKSCH 398 or 498 – Practicum (1-9)