The Bachelor of Science degree in Sustainable Food and Farming requires students to take courses in four 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)
IV. Enough additional credits to equal 120 total

- Maximum transfer credits = 75
- At least 60 credits must be “science” credits from the College of Natural Sciences or the equivalent
- At least 30 credits must be taken in the Stockbridge School of Agriculture

III. University General Education Requirements (39 cr)
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)

**Ecological Systems (choose 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 Systems (choose 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 (choose at least one)**
- ACCNT 221 – Principles of Financial Accounting (3)
- STOCKSCH 266 – Farm Management, Planning and Marketing (3)
- STOCKSCH 354 – Non-profit Mgmt. of Community-based Farming Progs. (3)
- MKTG 301 – Fundamentals of Marketing (3)

**Integrative Experience**
- 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 (4)
- STOCKSCH 269 – Small Farm Husbandry II – Poultry & Pigs (4)
- 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)
- STOCKSCH 290P – Sustainably Raising Poultry (3)
- 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)
IV. **Additional Courses to Total in 120**

Courses from other majors, other institutions, or from study abroad may count toward the total. Talk to your adviser for options.

Credits more than the 9 credits of 200 level classes applied toward the major requirements may be applied toward the total of 120.

In addition, 100 level STOCKBRIDGE courses may help satisfy this requirement, including:

- STOCKSCH 100 – Botany for Gardeners (4)
- STOCKSCH 101 – Insects and Related Forms (2)
- STOCKSCH 104 – Plant Nutrients (2)
- STOCKSCH 110 – Sustainable Horticulture (3) (OLO)
- STOCKSCH 111 – Intro Plant Pathology (2)
- STOCKSCH 119 – Designing a Backyard Homestead (3)
- STOCKSCH 120 - Organic Gardening & Farming (4)
- STOCKSCH 166 – Practical Beekeeping (3)
- STOCKSCH 171 – Plagues, Food and People (4)
- STOCKSCH 172 – Plants in Our World (4)
- STOCKSCH 184 – Raising Dairy Goats (3)
- STOCKSCH 186 - Introduction to Permaculture (3)