# Agriculture, Food, and Natural Resources

## Farmington High School Career Cluster Program of Study

This Program of Study Template can serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals. **Ask your high school counselor to help you fill in the required courses you need to graduate.**

<table>
<thead>
<tr>
<th>Grade</th>
<th>English 8 semesters</th>
<th>Math 6 semesters</th>
<th>Science 6 semesters</th>
<th>Social Studies 6 semesters</th>
<th>Other Required Courses, Recommended Electives</th>
<th>Career &amp; Technical Courses and/or Degree Major Courses @ Unitec</th>
<th>SAMPLE Occupations Relating to this Pathway</th>
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</thead>
<tbody>
<tr>
<td>9</td>
<td>Comm Arts I</td>
<td>High School Math</td>
<td>High School Science Course</td>
<td>High School S.S. Course</td>
<td>Personal Finance Computer Science Ag electives</td>
<td>See high school counselor for course offerings</td>
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<tr>
<td>10</td>
<td>Comm Arts II</td>
<td>High School Math</td>
<td>High School Science Course</td>
<td>High School S.S. Course</td>
<td>Personal Finance Computer Science Ag electives</td>
<td>See high school counselor for course offerings</td>
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<tr>
<td>11</td>
<td>Comm Arts III &amp; Comm Arts elective</td>
<td>Pre-College Algebra or high school math course</td>
<td>High School Science Course *General Biology</td>
<td>High school S.S. Electives – History &amp; Government</td>
<td>*Anatomy &amp; Physiology *Ag electives online *Zoology *General Chemistry *Botany *Animal Science (Available for Dual Enrollment)</td>
<td>See high school counselor for course offerings</td>
<td>*Farmington CTE Dual Credit Class Available -Intro To Horticulture -AG Economics</td>
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<td>*English Comp I *Public Speaking</td>
<td>*College Algebra, *College Trig. *College Calc (if going to Vet School)</td>
<td>*Environmental Science *Earth Science</td>
<td>*American *History I &amp; II, *Western Civ I &amp; II *Spanish *Gen Psyche and Socio</td>
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<td>*Check with school counselor for dual enrollment classes available on the MAC on the web or on one of the MAC campuses</td>
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<tr>
<td>12</td>
<td>Senior Comm Arts &amp; Comm Arts elective</td>
<td>Pre-College Algebra high school courses</td>
<td>High School Science Course *MFH - Intro to Chemistry</td>
<td>High school S.S. Electives –History &amp; Government</td>
<td>*Anatomy &amp; Physiology *Ag electives online *Zoology *General Chemistry *Botany *Animal Science (Available for Dual Enrollment)</td>
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<td>*English Comp II *Intro to Literature</td>
<td>*College Algebra, *College Trig. *College Calc (if going onto Vet School)</td>
<td>*Environmental Science *Earth Science</td>
<td>*American History I &amp; II, *Western Civ I &amp; II *Spanish *Gen Psyche and Socio</td>
<td></td>
<td></td>
<td>*Check with school counselor for dual enrollment classes available on the MAC on the web or on one of the MAC campuses</td>
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</table>

### Occupations Requiring Postsecondary Education
- Agricultural Communications Specialist
- Agricultural Salesperson
- Food & Drug Inspector
- Food Meal Supervisor
- Food Processor
- Meat Cutter-Meat Grader
- Meat Processor
- Produce Buyer

### Occupations Requiring Baccalaureate Degree & Beyond
- Agricultural Educator
- Bacteriologist
- Biochemist-Nutritionist
- Bioengineer
- Dietician
- Food & Fiber Engineer
- Food Scientist
- Meat Science Researcher
- Microbiologist
- Quality Control Specialist
The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fuel, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.