<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Description according to the MSU Office of the Registrar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community, Agriculture, Recreation and Resource Studies</td>
<td>ACR 202</td>
<td>Problem Solving in Community, Agriculture, and Environmental Systems</td>
<td>Issues identification, critical thinking, problem solving, sustainability, and leadership in agriculture, natural resources, and community development.</td>
</tr>
<tr>
<td>Biological Science</td>
<td>BS 110</td>
<td>Organisms and Populations</td>
<td>Biological diversity and organismal biology. Principles of evolution, population biology, and community structure. Macromolecular synthesis; energy metabolism; molecular aspects of development; principles of genetics. Principles and applications of common techniques used in cell and molecular biology.</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CEM 141</td>
<td>General Chemistry</td>
<td>Elements and compounds; reactions; stoichiometry; thermochemistry; atomic structure; chemical bonding; states of matter; solutions; acids and bases; aqueous equilibria. Experiments in general chemistry; stoichiometry, calorimetry, electrochemistry, molecular geometry, gas laws, kinetics, acids and bases, and inorganic chemistry.</td>
</tr>
<tr>
<td></td>
<td>CEM 161</td>
<td>General Chemistry Lab</td>
<td>Chemistry of carbon compounds. Chemistry of the main organic functional groups with applications to everyday life, industry, and biology.</td>
</tr>
</tbody>
</table>
Courses Completed at Michigan State University
(Organized by Subject)

Computer Science and Engineering

CSE 101 Computer Concepts and Competencies
Core concepts in computing including information storage, retrieval, management, and representation. Applications from specific disciplines. Applying core concepts to design and implement solutions to various focal problems, using hardware, multimedia software, communication and networks.

Crop and Soil Science

CSS 101 Introduction to Crop and Soil Science
Principles of crop production including crop and soil management and improvement. International and sustainable agriculture. Water quality issues

CSS 135 Crop Scouting and Investigation
Crop production, pest scouting and other production problems, and field diagnoses. Interaction with agriculture clientele. Offered first ten weeks of semester.

CSS 151 Seed and Grain Quality
Principles and practices of producing, conditioning, testing and marketing field crop seed. Grain grading and quality evaluation. Offered first ten weeks of semester

CSS 210 Fundamentals of Soil Science

Economics

EC 202 Introduction to Macroeconomics

Environmental Economics and Policy

EEP 260 World Food, Population, and Poverty
Description and analysis of world food, population and poverty problems. Interrelationships between developed and developing countries.

Environmental Studies and Agriscience

ESA 200 Introduction to Envrionmental Studies and Agriscience
Interdisciplinary nature of environmental, natural resource, and agricultural issues.

ESA 335 Engaged Learning and Teaching
Engaged teaching and learning within communities in non-formal settings.
Courses Completed at Michigan State University
(Organized by Subject)

**Communication**

** ESA 401 Communication Campaigns for Agricultural and Environmental Issues**
Planning and execution of agricultural, natural resource and environmental communication campaigns. Theories, strategies and techniques using mass and controlled media channels.

**Geography**

** GEO 221 Introduction to Geographic Information**
Principles and methods of spatial data collection, handling, analysis, and display.

**Horticulture**

** HRT 203 Principles of Horticulture**
Basics of horticulture. Plant growth including crop selection and management, cultivar development, crop geography, environmental factors affecting plant growth and development, and reproductive development.

**Integrative Studies Arts and Humanities**

** IAH 207 Scottish Identities and Cultures in Literature and Film**
Explorations in how literature reflects, creates, and challenges cultural and individual identities. Approaches and materials from literature, philosophy, the arts, religion, and history. Selected themes and issues, variable by term.

** IAH 241A Music and Society in the Modern World**
The arts and humanities of the modern world through the prism of music. Music traditions and methodologies in their historic context. Relationship of music creativity to societies in which it has been produced.

**Integrative Studies Biological**

** ISB 202 Applications of Environmental and Organismic Biology**
Historical and recent development of ideas about behavior, ecological, and evolutionary processes. Critical evaluation of the use and misuse of human understanding of nature, emphasizing recent findings.

**Integrative Studies Social Science**

** ISS 225 Power, Authority, and Exchange**

**Mathematics**

** MTH 116 College Algebra and Trigonometry**

**Physiology**
### Courses Completed at Michigan State University

#### (Organized by Subject)

**Teacher Education**

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>PSL 250</td>
<td>Introductory Physiology</td>
<td>Function, regulation and integration of organs and organ systems of higher animals emphasizing human physiology.</td>
</tr>
<tr>
<td>TE 150</td>
<td>Reflections on Learning</td>
<td>Students' experiences as learners in comparison to psychological, sociological, and anthropological theories and assumptions about learning and teaching in and out of school.</td>
</tr>
<tr>
<td>TE 250</td>
<td>Human Diversity, Power, and Opportunity in Social Institutions</td>
<td>Comparative study of schools and other social institutions. Social construction and maintenance of diversity and inequality. Political, social and economic consequences for individuals and groups.</td>
</tr>
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**Technology Systems Management**

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<tr>
<td>TSM 251</td>
<td>Information Technology in Agricultural Systems</td>
<td>Applications and trends in information systems. Evaluation and use of computer systems, peripherals, networks, presentation systems, and communication systems.</td>
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**Writing, Rhetoric, and American Cultures**

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<tbody>
<tr>
<td>WRA 150</td>
<td>Writing: The Evolution of Amerian Thought</td>
<td>Drafting, revising, and editing compositions derived from American historical, social, and cultural texts to develop skills in narration, persuasion, analysis, and documentation.</td>
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</tbody>
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