SPECIALIZATION IN SCIENCE, TECHNOLOGY, ENVIRONMENT, AND PUBLIC POLICY (STEPPS)

FOR ADDITIONAL INFORMATION, PLEASE CONTACT THE STEPPS DIRECTOR or LYMAN BRIGGS ACADEMIC ADVISING OFFICE

The Specialization in Science, Technology, Environment and Public Policy (STEPPS) is available as an elective to students who are enrolled in bachelor’s degree programs at Michigan State University. The specialization will expose students to policy-making processes at the local, state, national and international levels; examine historical trends and analyze social relationships; build a strong understanding of scientific principles used to formulate sound policy initiatives; and facilitate a linkage between policy-making and science, technology and the environment.

Students who are interested in this specialization must contact the coordinator for the Specialization in Science, Technology, Environment and Public Policy in James Madison College. The student’s program of study must be approved by the STEPPS coordinator prior to enrollment in any courses counted toward the specialization. Study abroad programs or internships require prior approval of the coordinator to ensure their relevance to STEPPS’ curricular goals.

With the approval of the department and the college administer the student’s degree program, courses that are used to satisfy the requirements for the specialization may also be used to satisfy the requirements for a bachelor’s degree.

Requirements for the Specialization in Science, Technology, Environment and Public Policy

The students must complete (21 to 27 credits):

**Science, Technology, Environment and Public Policy**

1. The following course:
   - FW 181 Introduction to Science, Technology, the Environment and Public Policy 3

**History, Philosophy, and Sociology of Science** (6 to 8 credits):

1. Two of the following courses:
   - ENG 483 Literature and Medicine 3
   - EPI 390 Disease in Society: Introduction to Epidemiology and Public Health 4
   - FW 211 Introduction to Gender and Environmental Issues 3
   - FW 438 Philosophy of Ecology (W) 3
   - HST 425 American and European Health Care Since 1800 4
   - HST 483 Seminar in Modern European History (W) 3
   - JRN 412 Environmental Reporting 3
   - LB 330 Topics in History, Philosophy, and the Sociology of Science (W) 4
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB 332</td>
<td>Technology and Culture</td>
<td>4</td>
</tr>
<tr>
<td>LB 333</td>
<td>Topics in History of Science</td>
<td>4</td>
</tr>
<tr>
<td>LB 336</td>
<td>Gender, Science, Technology (W)</td>
<td>4</td>
</tr>
<tr>
<td>LB 425</td>
<td>American and European Health Care since 1800</td>
<td>4</td>
</tr>
<tr>
<td>MC 350</td>
<td>Evolution and Society</td>
<td>4</td>
</tr>
<tr>
<td>MC 351</td>
<td>Science and Social Policy</td>
<td>4</td>
</tr>
<tr>
<td>PHL 344</td>
<td>Ethical Issues in Health Care</td>
<td>4</td>
</tr>
<tr>
<td>PHL 380</td>
<td>Nature of Science</td>
<td>3</td>
</tr>
<tr>
<td>PHL 484</td>
<td>Philosophy of Biological Science</td>
<td>3</td>
</tr>
<tr>
<td>PRR 302</td>
<td>Environmental Attitudes and Concepts</td>
<td>3</td>
</tr>
<tr>
<td>SOC 368</td>
<td>Science, Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOC 452</td>
<td>Environment and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

**Science Applications (6 to 8 credits):**
Complete two courses at the 200-level or above which consists primarily of natural science. Integrative Studies courses can not fulfill this requirement. Students should check with the STEPPS Coordinator to ensure that the particular course chosen will fulfill this requirement.

**Public Policy (6 to 8 credits):**
1. Two of the following courses:
   - ABM 400 Public Policy Issues in the Agri-Food System 3
   - ABM 427 Global Agri-Food Industries and Markets 3
   - ANR 250 Global Issues in Agriculture and Natural Resources 3
   - EC 310 Economics of Developing Countries 3
   - EEP 320 Environmental Economics 3
   - ESA 430 Law and Resources 3
   - ESA 433 Law and Social Change 3
   - ESA 440 Environmental Policy Making in Michigan State University 3
   - ESA 460 Natural Resource Economics 3
   - FOR 464 Forest Resource Economics (W) 3
   - FOR 466 Natural Resource Policy 3
   - FSC 421 Food Laws and Regulation 3
   - FW 439 Conservation Ethics 3
   - FW 445 Socio-Economics of Conservation Biology 3
   - FW 481 Global Issues in Fisheries and Wildlife 3
   - FW 491 Special Topics in Fisheries and Wildlife 1 to 5
   - LB 334 Science, Technology and Public Policy (W) 4
   - LB 335 The Natural Environment: Perceptions and Practices 4
   - LB 355 Philosophy of Technology (W) 4
   - MC 348 Education Policy 4
   - MC 361 Political Economy and Comparative Public Policymaking 4
   - MC 363 Global Governance 4
   - MC 364 Policy Evaluation 4

Minor Code: 3207    Updated March 2017
Minor Code: 3207    Updated March 2017

MC    380    Social Policy  4
MC    450    International Environmental Policy  3
MC    469    Applied Public Policy Research Seminar  3-5
NUR    401    Aging and Health in the United States  3
PRR    371    Management of Park and Recreation Agencies and Organizations  3
PRR    388    Physical Resource Management in Parks, Recreation and Tourism  3

Capstone Course (3 credits):
The following course:
MC    459    Science, Technology, Environment and Public Policy Capstone (N)  3

Upon completion of the requirements for the Specialization in Science, Technology, Environment and Public Policy, the student should contact the Dean of James Madison College and request certification for the completion of the specialization. After the certification is approved by the Dean of James Madison College, the Office of the Registrar will enter on the student’s academic record the name of the specialization and the date that it was completed. This certification will appear on the student’s transcript.

IMPORTANT: This advising guide is presented for planning purposes only. It is the student’s responsibility for knowing and following University, college and departmental requirements as stated in the Academic Programs Catalog.

The Academic Advisors will provide information and suggest others based on expressed interests. It is the student’s responsibility for enrolling in classes and selecting the number of credits per semester for success. Appointments are made using the Student Success Dashboard.