

# 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 administrator 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
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### 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

LB	332	Technology and Culture	4
LB	333	Topics in History of Science	4
LB	336	Gender, Science, Technology (W)	4
LB	425	American and European Health Care since 1800	4
MC	350	Evolution and Society	4
MC	351	Science and Social Policy	4
PHL	344	Ethical Issues in Health Care	4
PHL	380	Nature of Science	3
PHL	484	Philosophy of Biological Science	3
PRR	302	Environmental Attitudes and Concepts	3
SOC	368	Science, Technology and Society	3
SOC	452	Environment and Society	3

**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

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
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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](#).