

Title	Undergraduate Certificate in Conservation Biology
Program Type	Certificate
College/School	College of Arts & Sciences
Department	<u>Biology</u> BIOL
Academic Level	Undergraduate
CIP Code	<u>261307 - Conservation Biology.</u>
Effective CAT	<u>2023-24</u>

Program Requirements and Description as it will appear in the bulletin.

The Certificate in Conservation **Biology** is a multidisciplinary program of study integrating theoretical and applied topics associated with conservation biology. The certificate is intended for undergraduate students with majors in biology or in any other field who wish to develop a specialization in conservation. The certificate is offered by the Department of Biology in cooperation with the departments of **Anthropology**, Economics, History, Political Science, Social Work, **Philosophy**, and Sociology. ~~Political Science~~. Building on a core curriculum, students can select elect courses from these departments to complete their requirements. Regularly enrolled undergraduates at UMSL or individuals with baccalaureate degrees who wish to receive a Certificate in Conservation Biology are eligible to participate in the conservation certificate program. To participate, students must contact the director and seek course approval. ~~To participate, students should design their program in consultation with their regular academic advisor and the Biology faculty professor of record for the certificate program. Guidelines for admission to the certificate program are also available.~~ Individuals with baccalaureate degrees who are interested in this certificate must apply to the university as unclassified undergraduates. ~~The certificate requires completion of 21 credit hours, outlined below. Students should consult the Bulletin with regard to prerequisites for any of the courses listed here.~~ The certificate requires completion of 21 credit hours.

Core Courses

Biology

<u>BIOL 2102</u>	Ecology	3
<u>BIOL 3202</u>	Conservation Biology	3
<u>BIOL 3203</u>	Conservation Biology Laboratory	2
<u>BIOL 4299</u>	Practicum In Conservation	2

Electives

The remaining 11 credits must be selected from courses listed below. Five credits must be taken from within biology and 6 credits outside biology, from at least two departments.

11

Biology

[BIOL 4102](#) Behavioral Ecology

[BIOL 4182](#) Population Biology

[BIOL 4192](#) [Course BIOL 4192 Not Found](#)

[BIOL 4245](#) [Course BIOL 4245 Not Found](#)

[BIOL 4402](#) Ornithology

[BIOL 4403](#) Ornithology Laboratory

[BIOL 4422](#) Entomology

[BIOL 4423](#) Entomology Laboratory

[BIOL 4501](#) [Course BIOL 4501 Not Found](#)

Economics

[ECON 3300](#) [International Economic Analysis](#)

[ECON 4550](#) Natural Resource Economics

[ECON 3500](#) [Course ECON 3500 Not Found](#)

[ECON 4160](#) [Geospatial Analysis in the Social Sciences](#)

[ECON 4170](#) [Fundamentals of Cost-Benefit Analysis](#)

History

[HIST 3000](#) [Special Topics in History](#)

Political Science

[POL SCI 3480](#) Environmental Policy

[POL SCI 3850](#) International Organizations and Global Problem-Solving

Sociology

[ANTHRO 2120](#) [Native Peoples of North America](#)

[ANTHRO 2132](#) [Course ANTHRO 2132 Not Found](#)

[ANTHRO 3228](#) [Course ANTHRO 3228 Not Found](#)

[SOC 2501](#) [Introduction to Geographic Information Systems and Sciences](#)

[SOC 4501](#) [Advanced Geographic Information Systems and Sciences](#)

Total Hours

21

Students may substitute the above courses with other courses upon approval by the director of the certificate program.

If other departments are affected by this proposal, please secure "sign-offs" and indicate for each department the following:

Department	Contact Person	Phone #	Objections
Economics	Michael Allison	x5306	No
Political Science	Dave Robertson		No
Anthropology	Patti Wright	x6648	No
<u>Economics</u>	<u>Michael Allison</u>	<u>5306</u>	<u>No</u>
<u>Political Science</u>	<u>David Kimball</u>		<u>No</u>
<u>History</u>	<u>Laura Westhoff</u>		<u>No</u>

Program Learning
Outcomes

Attachments [Undergrad Certificate in Conservation Biology Curriculum Map.pdf](#)

This program will be developed with the intention of delivery in the following delivery modes (choose all that apply)

[Face to face](#)

Justification for
request:

We want to revive this popular certificate and get state approval. As an interdisciplinary program, it has been a challenge to manage the curriculum. All involved departments keep changing their course offerings, eliminating elective courses and sometime eliminating departments/combining them. We have removed archived/canceled classes and added new ones. More importantly, students can get approval for courses not on the list as offerings change over time. We hope this adds more flexibility to complete the certificate. "Students should consult the director of the certificate to identify suitable coursework, as course offerings routinely change. Meg Humphries is the director.