

Biological Sciences- Master of Arts in Teaching

For information, contact:
513-529-8576
<http://masters.df.MiamiOH.edu>

The Master of Arts in Teaching (MAT) in the Biological Sciences is a part-time, non-thesis master's program designed for formal and informal educators who already hold teaching licensure. The program is cooperatively offered by Project *Dragonfly* and the Department of Biology. The MAT has two main programs: the Advanced Inquiry Program (AIP) and the Global Field Program (GFP). The master's is designed to be completed in 2.5 years.

This program is not intended to lead to teacher certification. Teachers are advised to contact their individual school districts as to whether this program may qualify for salary advancement.

Biological Sciences: Master of Arts in Teaching (Project Dragonfly)

35 Semester Hours

| Code | Title | Credit Hours |
|------|-------|--------------|
|------|-------|--------------|

Students may enroll in either the Advanced Inquiry Program (AIP) or the Global Field Program (GFP).

Advanced Inquiry Program (AIP)

Required Core Courses

| | | |
|---|-------------------------------------|----|
| BIO 631 | Conservation Science & Community | 3 |
| BIO 632 | Biology in the Age of Technology | 3 |
| BIO 634 | Issues in Evolution | 3 |
| BIO 636 | Science Leadership & Media Workshop | 3 |
| BIO 639 | Master's Capstone: MAT | 2 |
| Electives - (Include but not limited to) ¹ | | 21 |

Students may substitute one Earth Expeditions course (5 credit summer + 2 credit fall Inquiry and Action) for seven AIP W+ credit hours.)

| | | |
|---------|---|--|
| BIO 620 | Graduate Research (cannot exceed 10 hours) | |
| BIO 638 | Climate Change | |
| BIO 640 | Internship | |
| BIO 654 | Foundations of Inquiry | |
| BIO 655 | Master Plan in Action | |
| BIO 656 | Environmental Stewardship in My Community | |
| BIO 657 | Regional Ecology | |
| BIO 658 | Ecophysiology | |
| BIO 659 | Great Lakes Ecosystems | |
| BIO 662 | Animal Behavior & Conservation | |
| BIO 663 | Project Design & Assessment | |
| BIO 667 | Conservation Research at Living Collection Institutions | |
| BIO 677 | Independent Studies | |

| | | |
|---------|------------------------------------|--|
| BIO 694 | Habitats, Adaptations, & Evolution | |
| BIO 695 | Plants & People | |
| BIO 696 | Primate Behavior & Conservation | |

Global Field Program (GFP)

Required Core Courses

| | | |
|---------|-------------------------------------|---------|
| BIO 631 | Conservation Science & Community | 3 |
| BIO 632 | Biology in the Age of Technology | 3 |
| BIO 634 | Issues in Evolution | 3 |
| BIO 636 | Science Leadership & Media Workshop | 3 |
| BIO 639 | Master's Capstone: MAT | 2 |
| BIO 675 | Inquiry & Action (take three times) | 2, 2, 2 |

Electives - (Include but not limited to)

Students enroll in three of the following Earth Expeditions courses: 15

| | | |
|-------------|---|--|
| BIO/IES 642 | Amazon: Avian & Tropical Ecology | |
| BIO/IES 643 | Australia: Great Barrier Reef | |
| BIO/IES 644 | Baja: Field Methods | |
| BIO/IES 645 | Belize: Approaches to Environmental Stewardship | |
| BIO/IES 646 | Borneo: Primate Conservation | |
| BIO/IES 647 | Guyana: Local Wisdom & Conservation | |
| BIO/IES 648 | Hawai'i: Saving Species | |
| BIO/IES 649 | Kenya: Wildlife & People in Integrated Landscapes | |
| BIO/IES 651 | Mongolia: Steppe Ecology & Civic Media | |
| BIO/IES 653 | India: Species, Deities & Communities | |
| BIO/IES 691 | Costa Rica: Ecology & Ecotourism | |
| BIO/IES 692 | Namibia: Great Cat Conservation | |
| BIO/IES 652 | Thailand: Buddhism & Conservation | |

¹ Note that certain electives from the list may be required at some AIP locations.

Miami University is authorized by the Washington Student Achievement Council and meets the requirements and minimum educational standards established for degree-granting institutions under the Degree-Granting Institutions Act. This authorization is subject to periodic review and authorizes Miami University to offer specific degree programs. The Council may be contacted for a list of currently authorized programs. Authorization by the Council does not carry with it an endorsement by the Council. Any person desiring information about the requirements of the act or the applicability of those requirements to the institution may contact the Council at P.O. Box 43430, Olympia, WA 98504-3430, or by email at degreeauthorization@wsac.wa.gov.

The Washington Student Achievement Council (WSAC) has authority to investigate student complaints against specific schools. WSAC may not be able to investigate every student complaint. Visit <https://www.wsac.wa.gov/student-complaints> for information regarding the WSAC complaint process.

For Washington State residents seeking information and resources about student loan repayment or seeking to submit a complaint relating to your student loans or student loan servicer, please

visit www.wsac.wa.gov/loan-advocacy or contact the Student Loan Advocate at loanadvocate@wsac.wa.gov.

The transferability of credits earned at Miami University is at the discretion of the receiving college, university, or other educational institution. Students considering transferring to any institution should not assume that credits earned in any program of study at Miami University will be accepted by the receiving institution. Similarly, the ability of a degree, certificate, diploma, or other academic credential earned at Miami University to satisfy an admission requirement of another institution is at the discretion of the receiving institution. Accreditation does not guarantee credentials or credits earned at Miami University will be accepted by or transferred to another institution. To minimize the risk of having to repeat coursework, student should contact the receiving institution in advance for evaluation and determination of transferability of credits and/or acceptability of degrees, diplomas, or certificates earned.

For more information about requirements, admission, and program descriptions go to <https://projectdragonfly.miamioh.edu/>