

MULTIDISCIPLINARY STUDIES, B.A., SCIENCE WRITING OPTION

This Science Writing concentration will challenge students to accurately translate the often arcane and complex news of scientific developments into lay language. In addition, students must also attempt to put scientific discoveries and controversies into historical, personal, political, economic, and social context. The multi-disciplinary skills will be grounded in a foundational knowledge in communicating information effectively and appropriately to diverse audiences. The concentration is also founded on an understanding of science needed to investigate and understand the technical content.

PROGRAM ADVISORS

Dr. Caleb Corkery, Professor (English)

Dr. Justin Mando, Associate Professor & Chair (English)

For more information visit: <https://www.millersville.edu/mdst/approved-programs/science-writing.php>

Multidisciplinary Studies(BA)-Arts/Humanities AHSS

| Code | Title | Hours |
|--|---|--------------|
| FOUNDATIONS IN WRITING | | |
| JRNL 250 | Journalism & Society | 3 |
| JRNL 313 | Fundamentals of Journalism | 3 |
| WRIT 319 | Science Writing | 3 |
| Advanced Reporting, Feature Magazine Writing or Sp Top Journalism - Choose 1 of the following: | | 3 |
| JRNL 315 | Advanced Reporting in a Diverse World | |
| JRNL 327 | Feature Writing and Magazine Journalism | |
| ENGL 473 | | |
| WRIT 317 | Editing for Publication | 3 |
| Writing Studies Seminar or ENGL Internship - Choose 1 of the following: | | 3-12 |
| WRIT 466 | Special Topics in Writing | |
| ENGL 300 | English Internship | |
| SCIENCE CORE | | |
| undefined - Choose 2 of the following: | | 20-24 |
| Choose courses listed from two of the grouped disciplines: Biology, Physics, Chemistry or Earth Science A 2.0 GPA must be maintained in the overall major block and in each of the two Core areas, Foundations in Writing and Science Core | | |
| BIOLOGY - See Appendix 1 | | |
| PHYSICS - See Appendix 2 | | |
| CHEMISTRY - See Appendix 3 | | |
| EARTH SCIENCE - See Appendix 4 | | |
| REQUIRED CAPSTONE | | |
| Internship/Co-op or Writing Workshop - Choose 1 of the following: | | 3-12 |
| ENGL 300 | English Internship | |
| ENGL 400 | English Internship | |
| WRIT 472 | Digital Portfolio | |
| Total Hours | | 41-63 |

Appendix 1. BIOLOGY

| Code | Title | Hours |
|--|---|-------|
| General or Foundations of Biology - Choose 1 of the following: | | 3-4 |
| BIOL 100 | General Biology | |
| BIOL 101 | Foundations of Biology | |
| Concepts of Zoology or Botany - Choose 1 of the following: | | 4 |
| BIOL 211 | Concepts of Zoology | |
| BIOL 221 | Concepts of Botany | |
| Genetics Molecular or Cell and Devlmntl Biology - Choose 1 of the following: | | 4 |
| BIOL 364 | Foundations of Genetics & Molecular Biology | |
| BIOL 362 | Cell and Developmental Biology | |

Appendix 2. PHYSICS

| Code | Title | Hours |
|--|---|-------|
| Elements of Physics or Applied Physics - Choose 1 of the following: | | 4 |
| PHYS 103 | Elements of Physics | |
| PHYS 104 | Applied Physics | |
| Physics I with Algebra or with Calculus - Choose 1 of the following: | | 4-5 |
| PHYS 131 | Physics 1 with Algebra | |
| PHYS 231 | Physics 1 with Calculus | |
| PHYS 302 | Physics and Evolution of Western Civilization | 3 |

Appendix 3. CHEMISTRY

| Code | Title | Hours |
|--|-----------------------------|-------|
| CHEM 111 | Introductory Chemistry 1 | 4 |
| CHEM 112 | Introductory Chemistry 2 | 4 |
| History of Chem and Soci or Enviro Chem - Choose 1 of the following: | | 3-4 |
| CHEM 372 | History of Chem and Society | |
| CHEM 375 | Environmental Chemistry | |

Appendix 4. EARTH SCIENCE

| Code | Title | Hours |
|---|-------------------------------------|-------|
| Earth Sys Natrl Hazards or Earth in Space - Choose 1 of the following: | | 3 |
| ESCI 101 | Earth Systems & Natural Hazards | |
| ESCI 202 | The Earth in Space | |
| Phys Geol, Meteor, Envir Meteor, or Oceanogrphy - Choose 1 of the following: | | 3-4 |
| ESCI 221 | Physical Geology | |
| ESCI 241 | Meteorology | |
| ESCI 245 | Environmental Meteorology | |
| ESCI 261 | Introduction to Oceanography | |
| Chemistry of Atmosphere or Global Climate Change - Choose 1 of the following: | | 3 |
| ESCI 349 | Chemistry of the Atmosphere | |
| ESCI 385 | Global Climate Change: Sci & Policy | |

Req Related for Multidisciplinary Studies - HMFA

| Code | Title | Hours |
|---|--------------------------|-------|
| REQUIRED RELATED FOR SCIENCE WRITING | | |
| Statistics - Choose 1 of the following: | | 3 |
| MATH 130 | Elements of Statistics 1 | |
| MATH 235 | Survey of Statistics | |

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Calculus for Mgmt or Calc I - Choose 1 of the following: 4

MATH 151 Calculus for Management

MATH 161 Calculus 1

Related electives outside of Core II disciplines 6

In consultation with your advisor, select at least two courses with G2 or G3 attributes related to your area of interest outside of the disciplines selected for Core 2 (Science Core).

Total Hours 13