

# SCIENTIFIC LEADERSHIP AND PRACTICE MINOR

**Banner Code:** SCLP

## Academic Advising

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This minor has been designed to build scientific communication, engagement, and leadership practices so that students are (i) equipped to communicate effectively about the science they undertake and the challenges they face in ways that are meaningful in relation to their field of study, and (ii) equipped with the skills to participate and lead others in scientific ventures.

## Admissions & Policies

### Policies

Eight credits of coursework must be unique to the minor and students must complete all coursework with a minimum GPA of 2.00. For policies governing all minors, see AP5.3.4 Minors (<http://catalog.gmu.edu/policies/academic/undergraduate-policies/#ap-5-3-4>).

## Requirements

### Minor Requirements

Total credits: 16-20

Students should refer to the Admissions & Policies tab for specific policies related to this program.

Code	Title	Credits
<b>Science Literacy Core</b>		
COS 300	Professional Preparation for STEM Disciplines	3
COS 400	Problem Solving and Leadership in STEAM	3
<b>Leadership or Communication</b>		
Choose one course from the following:		3-4
EVPP 429	Environmental Science Communication	
COMM 302	Media Theory	
COMM 304	Foundations of Health Communication	
COMM 320	Business and Professional Communication	
CONF 300	Conflict Resolution Techniques and Practice	
ENGH 376	Rhetoric and New Media	
ENGH 388	Professional and Technical Writing	
ENGH 489	Proposal Writing and Development	
INTS 204	Leadership Theory and Practice	
INTS 406	Global Leadership (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )	
INTS 435	Leadership in a Changing Environment	
<b>Quantitative Reasoning</b>		
Choose one course from the following:		3-4

MATH 111 Linear Mathematical Modeling (Mason Core) (<http://catalog.gmu.edu/mason-core/>)

MATH 113 Analytic Geometry and Calculus I (Mason Core) (<http://catalog.gmu.edu/mason-core/>)

MATH 125 Discrete Mathematics I (Mason Core) (<http://catalog.gmu.edu/mason-core/>)

### Computational Thinking

Choose one course from the following: 3

CDS 301 Scientific Information and Data Visualization

CDS 302 Scientific Data and Databases

GGG 110 Introduction to Geoinformation Technologies

GGG 311 Geographic Information Systems

PHYS 251 Introduction to Computer Techniques in Physics (Mason Core) (<http://catalog.gmu.edu/mason-core/>)

### Internship

Choose one course from the following: <sup>1</sup> 1-3

ASTR 409 Astronomy Internship

CLIM 409 Research Internship

GEOL 480 Internship

CDS 491 Internship

EVPP 494 Internship

FRSC 406 Forensic Internship

GGG 480 GGS Internship

PHYS 409 Physics Internship

Total Credits 16-20

<sup>1</sup> Or any other internship course as approved by the minor advisor.