

# Program Change Request

Date Submitted: 04/04/23 9:19 am

Viewing: **IN-MS-P002 : INTO Mason: Science Graduate Pathways**

Last approved: 07/13/22 3:55 pm

Last edit: 04/04/23 9:19 am

Changes proposed by: cbrady12

Catalog Pages  
Using this Program

[INTO Mason: Science Graduate Pathways](#)

No Longer  
Anticipated closure  
Not applicable

Are you completing this form on someone else's behalf?

No

Effective Catalog: 2023-2024

Program Level: Graduate

Program Type: INTO-Mason

Title: INTO Mason: Science Graduate Pathways

- 1. What was the process used to...
- 2. What evidence was used to id...
- 3. Have you ensured there are no...
- 4. Has CDE confirmed the propos...
- 5. Use the instructor(s) for this bed...

## In Workflow

1. IN Academic Director
2. IN Academic Affairs Dean
3. SC Curriculum Committee
4. SC Associate Dean
5. SC CAT Editor
6. Assoc Provost-Graduate
7. Registrar-Programs

## Approval Path

1. 10/27/22 12:19 pm  
Steven Scott  
(sscott4): Approved for IN Academic Director
2. 10/28/22 11:25 am  
Marcy Glover  
(mglover2): Approved for IN Academic Affairs Dean

5. Is this badge co-sponsored with another organization, program or course?  
What is the organization, program or course?

Badges  
Participation  
Requirements  
Prerequisites  
Assessments  
Accreditation

Education  
Other  
Project  
Professional  
Schedule/Registration  
Volunteer

Skills Tag  
Skill Tag

Badge Attributes

Achievement Type  
Mastery Level  
Time Commitment  
Cost  
Industry Standards  
Recommendations

Issuance information and Pricing

Pricing: See <https://eng.gmu.edu/digitalbadgespricing/> for more information.  
Estimated Number of Badges Expected to be Issued:

Notes:

- A Mason Digital Credentials Advisory Group may be developed to r

Registrar/OAPI Use Only – SCHEV  
Registrar's Office Use Only –  
Program Start Term

- 11/18/22 11:00 am  
Gregory Craft  
(gcraft): Approved for SC Curriculum Committee
- 11/22/22 11:29 am  
Jennifer Bazaz  
Gettys (jbazaz): Approved for SC Associate Dean
- 11/22/22 2:11 pm  
Jennifer Bazaz  
Gettys (jbazaz): Approved for SC CAT Editor
- 04/03/23 6:24 pm  
Jason McKnight  
(jmckni): Rollback to Initiator
- 04/04/23 12:15 pm  
Steven Scott  
(sscott4): Approved for IN Academic Director
- 04/04/23 12:37 pm  
Marcy Glover  
(mglover2): Approved for IN Academic Affairs Dean

Registrar/OAPI Use

Only – SCHEV

Registrar/OAPI Use

Only – SACSCOC

Status

Concentration(s):

|   | Associated Concentrations | Registrar's Office Use Only: Concentration Code |
|---|---------------------------|---|
| 1 | Accelerated INTO          | ACC   |
| 2 | Extended INTO             | EXT   |
| 3 | Standard INTO             | STD   |

INTO Major(s):

|                | Associated Majors                | Registrar's Office Use only: Major Code |
|----------------|----------------------------------|---|
| 1              | Bioinformatics & Comp Biology    | BCB                                     |
| 2              | Bioinformatics Management        | BNFM                                    |
| <del>3</del>   | <del>Computational Science</del> | <del>COMP</del>                         |
| <del>3</del> 4 | Earth Systems Science            | ESSC                                    |
| <del>4</del> 5 | Environmental Science & Policy   | EVSP                                    |
| <del>5</del> 6 | Forensic Science                 | FRSC                                    |
| <del>6</del> 7 | Geographic & Cartographic Sci    | GECA                                    |
| <del>7</del> 8 | Mathematics                      | MATH                                    |
| <del>8</del> 9 | Applied & Engineering Physics    | PHAE                                    |

Registrar/IRR Use

Only –

College/School: INTO Mason

## History

1. Jul 13, 2022 by Tory Sarro (vsarro)

**Department /  
Academic Unit:** INTO Mason

**Jointly Owned  
Program?** Yes

**Participating  
Colleges**

|   | College            |
|---|--------------------|
| 1 | College of Science |

**Participating  
Departments**

**Justification** Replacing two INTO Mason special topics courses with permanent courses:  
EAP 405 > EAP 401  
INYO 508 > INYO 505  
Replacing INTO Mason EAP 508 with EAP 507 in order to simplify curriculum.  
Deactivating the Standard and Accelerated Pathways to the MS in Computational Science.

## Catalog Published Information

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**Total Credits**

**Registrar's Office Use Only - Program Code:**

IN-MS-P002

**Registrar/IRR Use  
Only – Program CIP  
Code**

**Admission  
Requirements:**

**Program-Specific  
Policies:**

**Degree Requirements:**

**Plan of Study:**

**Plan of Study:**

**Honors  
Information:**

**Accelerated  
Description/Dual  
Degree  
Description:**

**INTO-Mason  
Requirements:**

## **Applied and Engineering Physics Graduate Pathway**

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The following grid is for the first semester of the standard, 2-semester pathway into the Master of Science in Applied and Engineering Physics degree:

Standard semester 1 of 2

|                                    |  |   |
|------------------------------------|--|---|
| <a href="#"><u>PHYS 502</u></a>    | Introduction to Quantum Mechanics and Atomic Physics | 3 |
| or <a href="#"><u>PHYS 684</u></a> | Quantum Mechanics I                                  |   |
| <a href="#"><u>EAP 506</u></a>     | Graduate Communication in the Disciplines I          | 4 |

|                 |   |    |
|-----------------|---|----|
| <u>INYO 504</u> | Transitions for International Graduate Students | 3  |
| <u>EAP 410</u>  | Language Support for International Students     | 2  |
| Total Credits   |   | 12 |

The following grid is for the second semester of the standard, 2-semester pathway into the Master of Science in Applied and Engineering Physics degree:

Standard semester 2 of 2

|                    |  |              |
|--------------------|--|--------------|
| <u>PHYS 513</u>    | Applied Electromagnetic Theory   | 3            |
| or <u>PHYS 685</u> | Classical Electrodynamics I  |              |
| <u>EAP 507</u>     | Advanced Graduate Communication Across the Disciplines                                   | 4            |
| <u>EAP 405</u>     | <del>Special Topics in Advanced English for Academic Purposes</del>                      | <del>1</del> |
| <u>INYO 508</u>    | <del>Special Topics Content Support in the Disciplines</del>                             | <del>1</del> |
| <u>INYO 505</u>    | Intercultural Competence and Professional Development for Multilingual Graduate Students | 1            |
| <u>EAP 401</u>     | Advanced English Grammar for Multilingual Students                                       | 1            |
| Total Credits      |  | 9            |

The following grid is for the single semester of the accelerated, 1-semester pathway into the Master of Science in Applied and Engineering Physics degree:

Accelerated semester 1 of 1

|                    |   |              |
|--------------------|---|--------------|
| <u>EAP 508</u>     | <del>Graduate Communication in the Disciplines III</del>            | <del>4</del> |
| <u>EAP 405</u>     | <del>Special Topics in Advanced English for Academic Purposes</del> | <del>1</del> |
| <u>PHYS 705</u>    | Classical Mechanics   | 3            |
| <u>PHYS 502</u>    | Introduction to Quantum Mechanics and Atomic Physics                | 3            |
| or <u>PHYS 684</u> | Quantum Mechanics I   |              |
| <u>EAP 507</u>     | Advanced Graduate Communication Across the Disciplines              | 4            |
| <u>INYO 504</u>    | Transitions for International Graduate Students                     | 3            |
| <u>EAP 401</u>     | Advanced English Grammar for Multilingual Students                  | 1            |
| Total Credits      |   | 14           |

## Bioinformatics and Computational Biology/Management Graduate Pathway

The following grid is for the first semester of the standard, 2-semester pathway into the Master of Science in Bioinformatics and Computational Biology / Management degree:

## Standard semester 1 of 2

|                                    |   |    |
|------------------------------------|---|----|
| <u><a href="#">BINF 631</a></u>    | Molecular Cell Biology for Bioinformatics       | 3  |
| or <u><a href="#">BINF 630</a></u> | Bioinformatics Methods                          |    |
| <u><a href="#">EAP 506</a></u>     | Graduate Communication in the Disciplines I     | 4  |
| <u><a href="#">INYO 504</a></u>    | Transitions for International Graduate Students | 3  |
| <u><a href="#">EAP 410</a></u>     | Language Support for International Students     | 2  |
| Total Credits                      |   | 12 |

The following grid is for the second semester of the standard, 2-semester pathway into the Master of Science in Bioinformatics and Computational Biology / Management degree:

## Standard semester 2 of 2

|                                     |   |              |
|-------------------------------------|---|--------------|
| <u><a href="#">BINF 631</a></u>     | Molecular Cell Biology for Bioinformatics   | 3            |
| or <u><a href="#">BINF 630</a></u>  | Bioinformatics Methods  |              |
| <u><a href="#">EAP 507</a></u>      | Advanced Graduate Communication Across the Disciplines  | 4            |
| <del><a href="#">EAP 405</a></del>  | <del>Special Topics in Advanced English for Academic Purposes</del>                             | <del>1</del> |
| <del><a href="#">INYO 508</a></del> | <del>Special Topics Content Support in the Disciplines</del>                                    | <del>1</del> |
| <u><a href="#">INYO 505</a></u>     | <b>Intercultural Competence and Professional Development for Multilingual Graduate Students</b> | <b>1</b>     |
| <u><a href="#">EAP 401</a></u>      | <b>Advanced English Grammar for Multilingual Students</b>                                       | <b>1</b>     |
| Total Credits                       |   | 9            |

The following grid is for the single semester of the accelerated, 1-semester pathway into the Master of Science in Bioinformatics and Computational Biology / Management degree:

~~Accelerated semester 1 of 1~~

|                                     |   |              |
|-------------------------------------|---|--------------|
| <del><a href="#">EAP 508</a></del>  | <del>Graduate Communication in the Disciplines III</del>            | <del>4</del> |
| <del><a href="#">EAP 405</a></del>  | <del>Special Topics in Advanced English for Academic Purposes</del> | <del>1</del> |
| <del><a href="#">INYO 504</a></del> | <del>Transitions for International Graduate Students</del>          | <del>3</del> |
| <del><a href="#">CSI 690</a></del>  | <del>Numerical Methods</del>  | <del>3</del> |
| <del><a href="#">CSI 695</a></del>  | <del>Scientific Databases</del>                                     | <del>3</del> |
| <del>Total Credits</del>            |   | <del>0</del> |

## Accelerated semester 1 of 1

|                                    |   |              |
|------------------------------------|---|--------------|
| <del><a href="#">EAP 508</a></del> | <del>Graduate Communication in the Disciplines III</del>            | <del>4</del> |
| <del><a href="#">EAP 405</a></del> | <del>Special Topics in Advanced English for Academic Purposes</del> | <del>1</del> |



|                                    |   |          |
|------------------------------------|---|----------|
| <u><a href="#">BINF 631</a></u>    | Molecular Cell Biology for Bioinformatics                     | 3        |
| or <u><a href="#">BINF 634</a></u> | Bioinformatics Programming                                    |          |
| <u><a href="#">BINF 630</a></u>    | Bioinformatics Methods  | 3        |
| or <u><a href="#">BINF 633</a></u> | Molecular Biotechnology                                       |          |
| <u><a href="#">EAP 507</a></u>     | <b>Advanced Graduate Communication Across the Disciplines</b> | <b>4</b> |
| <u><a href="#">INYO 504</a></u>    | Transitions for International Graduate Students               | 3        |
| <u><a href="#">EAP 401</a></u>     | <b>Advanced English Grammar for Multilingual Students</b>     | <b>1</b> |
| Total Credits                      |   | 14       |

~~Computational Science Graduate Pathway The following grid is for the first semester of the standard, 2-semester pathway into the Master of Science in Computational Science degree: The following grid is for the second semester of the standard, 2-semester pathway into the Master of Science in Computational Science degree: The following grid is for the single semester of the accelerated, 1-semester pathway into the Master of Science in Computational Science degree:~~ **Earth Systems Science Graduate Pathway**

~~Standard semester 2 of 2~~

|                          |   |              |
|--------------------------|---|--------------|
| <del>EAP-507</del>       | <del>Advanced Graduate Communication Across the Disciplines</del>   | <del>4</del> |
| <del>EAP-405</del>       | <del>Special Topics in Advanced English for Academic Purposes</del> | <del>1</del> |
| <del>INYO-508</del>      | <del>Special Topics Content Support in the Disciplines</del>        | <del>1</del> |
| <del>CSI-690</del>       | <del>Numerical Methods</del>  | <del>3</del> |
| <del>Total Credits</del> |   | <del>0</del> |

~~Standard semester 1 of 2~~

|                          |  |              |
|--------------------------|--|--------------|
| <del>EAP-506</del>       | <del>Graduate Communication in the Disciplines I</del>     | <del>4</del> |
| <del>EAP-410</del>       | <del>Language Support for International Students</del>     | <del>2</del> |
| <del>INYO-504</del>      | <del>Transitions for International Graduate Students</del> | <del>3</del> |
| <del>CSI-695</del>       | <del>Scientific Databases</del>                            | <del>3</del> |
| <del>Total Credits</del> |  | <del>0</del> |

The following grid is for the first semester of the standard, 2-semester pathway into the Master of Science in Earth Systems

Science degree:

Standard semester 1 of 2

|                   |   |    |
|-------------------|---|----|
| <u>GGS 553</u>    | Geographic Information Systems                  | 3  |
| or <u>GGS 560</u> | Quantitative Methods                            |    |
| or <u>GGS 579</u> | Remote Sensing                                  |    |
| <u>EAP 506</u>    | Graduate Communication in the Disciplines I     | 4  |
| <u>INYO 504</u>   | Transitions for International Graduate Students | 3  |
| <u>EAP 410</u>    | Language Support for International Students     | 2  |
| Total Credits     |   | 12 |

The following grid is for the second semester of the standard, 2-semester pathway into the Master of Science in Earth Systems Science degree:

Standard semester 2 of 2

|                    |   |              |
|--------------------|---|--------------|
| <u>GEOL 513</u>    | Hydrogeology  | 3            |
| or <u>GEOL 532</u> | Paleoclimatology  |              |
| <u>CLIM 512</u>    | Physical Oceanography   | 3            |
| or <u>GEOL 506</u> | Soil Science  |              |
| <u>EAP 507</u>     | Advanced Graduate Communication Across the Disciplines  | 4            |
| <u>EAP 405</u>     | <del>Special Topics in Advanced English for Academic Purposes</del>                             | <del>1</del> |
| <u>INYO 508</u>    | <del>Special Topics Content Support in the Disciplines</del>                                    | <del>1</del> |
| <u>INYO 505</u>    | <b>Intercultural Competence and Professional Development for Multilingual Graduate Students</b> | <b>1</b>     |
| <u>EAP 401</u>     | <b>Advanced English Grammar for Multilingual Students</b>                                       | <b>1</b>     |
| Total Credits      |   | 12           |

The following grid is for the single semester of the accelerated, 1-semester pathway into the Master of Science in Earth Systems Science degree:

Accelerated semester 1 of 1

|                   |   |              |
|-------------------|---|--------------|
| <u>EAP 508</u>    | <del>Graduate Communication in the Disciplines III</del>            | <del>4</del> |
| <u>EAP 405</u>    | <del>Special Topics in Advanced English for Academic Purposes</del> | <del>1</del> |
| <u>GGS 553</u>    | Geographic Information Systems                                      | 3            |
| or <u>GGS 560</u> | Quantitative Methods  |              |

|                             |   |          |
|-----------------------------|---|----------|
| or <a href="#">GGG 579</a>  | Remote Sensing  |          |
| <a href="#">GEOL 506</a>    | Soil Science  | 3        |
| or <a href="#">GEOL 513</a> | Hydrogeology  |          |
| or <a href="#">GEOL 532</a> | Paleoclimatology  |          |
| or <a href="#">CLIM 512</a> | Physical Oceanography   |          |
| <a href="#">EAP 507</a>     | <b>Advanced Graduate Communication Across the Disciplines</b> | <b>4</b> |
| <a href="#">INYO 504</a>    | Transitions for International Graduate Students               | 3        |
| <a href="#">EAP 401</a>     | <b>Advanced English Grammar for Multilingual Students</b>     | <b>1</b> |
| Total Credits               |   | 14       |

## Environmental Science and Policy Graduate Pathway

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The following grid is for the first semester of the standard, 2-semester pathway into the Master of Science in Environmental Science and Policy degree:

Standard semester 1 of 2

|                          |   |    |
|--------------------------|---|----|
| <a href="#">EAP 506</a>  | Graduate Communication in the Disciplines I     | 4  |
| <a href="#">EVPP 506</a> | Science of the Environment I                    | 3  |
| <a href="#">INYO 504</a> | Transitions for International Graduate Students | 3  |
| <a href="#">EAP 410</a>  | Language Support for International Students     | 2  |
| Total Credits            |   | 12 |

The following grid is for the second semester of the standard, 2-semester pathway into the Master of Science in Environmental Science and Policy degree:

Standard semester 2 of 2

|                          |   |              |
|--------------------------|---|--------------|
| <a href="#">EVPP 507</a> | Science of the Environment II   | 3            |
| <a href="#">EAP 507</a>  | Advanced Graduate Communication Across the Disciplines  | 4            |
| <a href="#">EAP 405</a>  | <del>Special Topics in Advanced English for Academic Purposes</del>                             | <del>1</del> |
| <a href="#">INYO 508</a> | <del>Special Topics Content Support in the Disciplines</del>                                    | <del>1</del> |
| <a href="#">INYO 505</a> | <b>Intercultural Competence and Professional Development for Multilingual Graduate Students</b> | <b>1</b>     |
| <a href="#">EAP 401</a>  | <b>Advanced English Grammar for Multilingual Students</b>                                       | <b>1</b>     |
| Total Credits            |   | 9            |

The following grid is for the single semester of the accelerated, 1-semester pathway into the Master of Science in Environmental Science and Policy degree:

Accelerated semester 1 of 1

|                     |   |              |
|---------------------|---|--------------|
| <del>EAP 508</del>  | <del>Graduate Communication in the Disciplines III</del>            | <del>4</del> |
| <del>EAP 405</del>  | <del>Special Topics in Advanced English for Academic Purposes</del> | <del>1</del> |
| EVPP or PUAD course |   | 3            |
| EVPP or PUAD course |   | 3            |
| <b>EAP 507</b>      | <b>Advanced Graduate Communication Across the Disciplines</b>       | <b>4</b>     |
| <u>INYO 504</u>     | Transitions for International Graduate Students                     | 3            |
| <b>EAP 401</b>      | <b>Advanced English Grammar for Multilingual Students</b>           | <b>1</b>     |
| Total Credits       |   | 14           |

## Forensic Science Graduate Pathway

The following grid is for the first semester of the standard, 2-semester pathway into the Master of Science in Forensic Science degree:

Standard semester 1 of 2

|                 |   |    |
|-----------------|---|----|
| <u>FRSC 500</u> | Introduction to Forensic Science                | 3  |
| <u>EAP 506</u>  | Graduate Communication in the Disciplines I     | 4  |
| <u>INYO 504</u> | Transitions for International Graduate Students | 3  |
| <u>EAP 410</u>  | Language Support for International Students     | 2  |
| Total Credits   |   | 12 |

The following grid is for the second semester of the standard, 2-semester pathway into the Master of Science in Forensic Science degree:

Standard semester 2 of 2

|                        |   |              |
|------------------------|---|--------------|
| <u>FRSC 510</u>        | Basic Crime Analysis  | 3            |
| <u>FRSC 570</u>        | Trace and Physical Evidence Concepts  | 3            |
| <u>EAP 507</u>         | Advanced Graduate Communication Across the Disciplines  | 4            |
| <del>EAP 405</del>     | <del>Special Topics in Advanced English for Academic Purposes</del>                             | <del>1</del> |
| <del>INYO 508</del>    | <del>Special Topics Content Support in the Disciplines</del>                                    | <del>1</del> |
| <b><u>INYO 505</u></b> | <b>Intercultural Competence and Professional Development for Multilingual Graduate Students</b> | <b>1</b>     |
| <b><u>EAP 401</u></b>  | <b>Advanced English Grammar for Multilingual Students</b>                                       | <b>1</b>     |
| Total Credits          |   | 12           |

The following grid is for the single semester of the accelerated, 1-semester pathway into the Master of Science in Forensic Science degree:

Accelerated semester 1 of 1

|                       |   |              |
|-----------------------|---|--------------|
| <del>EAP 508</del>    | <del>Graduate Communication in the Disciplines III</del>            | <del>4</del> |
| <del>EAP 405</del>    | <del>Special Topics in Advanced English for Academic Purposes</del> | <del>1</del> |
| <u>FRSC 500</u>       | Introduction to Forensic Science                                    | 3            |
| <u>FRSC 510</u>       | Basic Crime Analysis  | 3            |
| <b><u>EAP 507</u></b> | <b>Advanced Graduate Communication Across the Disciplines</b>       | <b>4</b>     |
| <u>INYO 504</u>       | Transitions for International Graduate Students                     | 3            |
| <b><u>EAP 401</u></b> | <b>Advanced English Grammar for Multilingual Students</b>           | <b>1</b>     |
| Total Credits         |   | 14           |

## Geographic and Cartographic Sciences Graduate Pathway

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The following grid is for the first semester of the standard, 2-semester pathway into the Master of Science in Geographic and Cartographic Sciences degree:

Standard semester 1 of 2

|                   |   |    |
|-------------------|---|----|
| <u>GG5 551</u>    | Cartographic Design                             | 3  |
| or <u>GG5 553</u> | Geographic Information Systems                  |    |
| or <u>GG5 560</u> | Quantitative Methods                            |    |
| or <u>GG5 579</u> | Remote Sensing                                  |    |
| <u>EAP 506</u>    | Graduate Communication in the Disciplines I     | 4  |
| <u>INYO 504</u>   | Transitions for International Graduate Students | 3  |
| <u>EAP 410</u>    | Language Support for International Students     | 2  |
| Total Credits     |   | 12 |

The following grid is for the second semester of the standard, 2-semester pathway into the Master of Science in Geographic and Cartographic Sciences degree:

Standard semester 2 of 2

|  |                                |   |
|--|--------------------------------|---|
| Required Major Courses (student will take two of the following): |                                | 6 |
| <u>GG5 551</u>   | Cartographic Design            |   |
| or <u>GG5 553</u>  | Geographic Information Systems |   |

|                            |   |              |
|----------------------------|---|--------------|
| or <a href="#">GGS 560</a> | Quantitative Methods  |              |
| or <a href="#">GGS 579</a> | Remote Sensing  |              |
| <a href="#">EAP 507</a>    | Advanced Graduate Communication Across the Disciplines  | 4            |
| <a href="#">EAP 405</a>    | <del>Special Topics in Advanced English for Academic Purposes</del>                             | <del>1</del> |
| <a href="#">INYO 508</a>   | <del>Special Topics Content Support in the Disciplines</del>                                    | <del>1</del> |
| <a href="#">INYO 505</a>   | <b>Intercultural Competence and Professional Development for Multilingual Graduate Students</b> | <b>1</b>     |
| <a href="#">EAP 401</a>    | <b>Advanced English Grammar for Multilingual Students</b>                                       | <b>1</b>     |
| Total Credits              |   | 12           |

The following grid is for the single semester of the accelerated, 1-semester pathway into the Master of Science in Geographic and Cartographic Sciences degree:

Accelerated semester 1 of 1

|  |   |              |
|--|---|--------------|
| <a href="#">EAP 508</a>  | <del>Graduate Communication in the Disciplines III</del>            | <del>4</del> |
| <a href="#">EAP 405</a>  | <del>Special Topics in Advanced English for Academic Purposes</del> | <del>1</del> |
| Required Major Courses (student will take two of the following): |   | 6            |
| <a href="#">GGS 551</a>  | Cartographic Design   |              |
| or <a href="#">GGS 553</a>                                       | Geographic Information Systems                                      |              |
| or <a href="#">GGS 560</a>                                       | Quantitative Methods  |              |
| or <a href="#">GGS 579</a>                                       | Remote Sensing  |              |
| <a href="#">EAP 507</a>  | <b>Advanced Graduate Communication Across the Disciplines</b>       | <b>4</b>     |
| <a href="#">INYO 504</a>   | Transitions for International Graduate Students                     | 3            |
| <a href="#">EAP 401</a>  | <b>Advanced English Grammar for Multilingual Students</b>           | <b>1</b>     |
| Total Credits  |   | 14           |

## Mathematics Graduate Pathway

The following grid is for the first semester of the standard, 2-semester pathway into the Master of Science in Mathematics degree:

Standard semester 1 of 2

|                             |   |   |
|-----------------------------|---|---|
| <a href="#">MATH 315</a>    | Advanced Calculus I                             | 3 |
| or <a href="#">MATH 675</a> | Linear Analysis                                 |   |
| <a href="#">EAP 506</a>     | Graduate Communication in the Disciplines I     | 4 |
| <a href="#">INYO 504</a>    | Transitions for International Graduate Students | 3 |

|                |   |    |
|----------------|---|----|
| <u>EAP 410</u> | Language Support for International Students | 2  |
| Total Credits  |   | 12 |

The following grid is for the second semester of the standard, 2-semester pathway into the Master of Science in Mathematics degree:

Standard semester 2 of 2

|                     |   |              |
|---------------------|---|--------------|
| <u>MATH 321</u>     | Abstract Algebra  | 3            |
| or <u>MATH 621</u>  | Algebra I   |              |
| <u>MATH 322</u>     | Advanced Linear Algebra   | 3            |
| <u>EAP 507</u>      | Advanced Graduate Communication Across the Disciplines  | 4            |
| <del>EAP 405</del>  | <del>Special Topics in Advanced English for Academic Purposes</del>                             | <del>1</del> |
| <del>INYO 508</del> | <del>Special Topics Content Support in the Disciplines</del>                                    | <del>1</del> |
| <u>INYO 505</u>     | <b>Intercultural Competence and Professional Development for Multilingual Graduate Students</b> | <b>1</b>     |
| <u>EAP 401</u>      | <b>Advanced English Grammar for Multilingual Students</b>                                       | <b>1</b>     |
| Total Credits       |   | 12           |

College  
Requirements &  
Policies:

Department /  
Academic Unit  
Requirements &  
Policies:

## Program Outcomes

### Additional Program Information

*This information is required by the Office of Accreditation and Program Integrity*

**Courses offered via distance (if Indicate whether students are able**

**What is the primary delivery format for the program?**

**Does any portion of this program occur off-campus?**

**Off-campus details:**

**Are you working with a vendor / other collaborators to offer your program?**

**Please explain:**

**Related Departments**

**Could this program prepare students for any type of professional licensure, in Virginia or elsewhere?**

### Additional SCHEV & SACSCOC Information

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**Is the content of the new program closely related to that of an existing approved program at the same instructional level (i.e., baccalaureate, master's, doctoral)?**

**Which existing approved program(s)?**



Is this new program considered to be "advancing the degree level of a currently approved program" (i.e. existing content is at lower degree level, new content is at the higher degree level)?

Which existing approved program(s)?

Is this new program considered to be "lowering the degree level of a currently approved program" (i.e. existing content is at higher degree level, new content is at the lower degree level)?

Which existing approved program(s)?

Is this a re-opening of a program that was closed to admission within the last five years?

Date of Program Closure

What are the methods of delivery for the program?

Does this program include a course/credit-based competency-based education delivery option?

Is this change a simple retitling of an existing program, with no other changes, to any existing program content, curriculum requirements, etc?

Does this change represent a repackaging of content in an existing approved degree/certificate program at the same instructional level (i.e., baccalaureate, master's, or doctoral)?

Which existing approved program(s)?

Percentage of total credits containing new course content. ("New course content" is defined by SACSCOC as content that is not currently included in an existing approved degree/certificate program at the same instructional level. Do not exclude gen ed credits in calculations for undergraduate programs.)

Does this change include the addition of a distance education or face-to-face method of delivery for this program?

What is the new method of delivery?

Does this change include the addition of a course/credit-based competency-based education delivery option?

**OAPI Use Only – Determination of SACSCOC Impact**

Comments or Notes

**Green Leaf Program Designation**

Is this a Green Leaf program?

Green Leaf Designation

*Sustainability-focused academic programs require at least one green leaf course. Either that course is itself sustainability-focused or else the program requires a set of sustainability-related courses with aggregated*

Relationship to Existing Courses

Relationship to Existing Programs

List sustainability-focused courses currently required in the degree

Sustainability-related academic programs either require at least one sustainability-related course or else offer any green leaf course as an option or elective \*

List sustainability-  
related courses  
currently required

**Does this program cover material which crosses into another department?**

No

**Impacted  
Departments**

**Additional  
Attachments**

**SCHEV Proposal**

**Executive Summary**

**Reviewer  
Comments**

**Jason McKnight (jmckni) (04/03/23 6:24 pm):** Rollback: Rollback per request of Christina Brady

**Additional  
Comments**

Deactivating the Standard and Accelerated Pathways to the MS in Computational Science.  
Looking into proposing Pathways to certificates instead.

**Is this course required of all students in this degree program?**

%wi\_required.eshtml%

**Attached  
Document**