

# INTEGRATIVE STUDIES, BS

**Banner Code:** LA-BS-INTS

## Academic Advising

402 Enterprise Hall

Fairfax Campus

Email: sisinfo@gmu.edu

Website: integrative.gmu.edu/programs/la-bs-ints

The bachelor of science in Integrative Studies brings together research, theory and practice across numerous disciplines. Integrative studies majors select a multidisciplinary concentration or work with student services staff to develop their own concentration, uniquely suited to their academic and career goals. Integrative studies majors explore new topics and experiences while gaining the knowledge and skills needed to enter the workforce. Required coursework is offered in small classes with ample room for discussion, collaborative learning, and experiential learning, including in-community projects, volunteer opportunities, field work, internships and work with faculty on research that directly engages current social and global challenges.

The BS in Integrative Studies with a concentration in Applied Global Conservation is a Green Leaf Program.

## Admissions & Policies

### Policies

Students must fulfill all Requirements for Bachelor's Degrees including the Mason Core. Integrative studies students may fulfill lower level Mason Core requirements through approved integrative studies (INTS) coursework. Students pursuing a BS in integrative studies must complete a minimum of 30 credits of (INTS) coursework, with at least 15 credits at the 300 and 400 levels. These 30 INTS credits fulfill the writing intensive and synthesis Mason Core requirements.

Students must complete ENGH 302 Advanced Composition (Mason Core). A maximum of 15 credits of INTS 399 Study Abroad can be applied to the major. Students must have a minimum GPA of 2.00 in courses applied to the major. Before registering, students should see an advisor to help plan their degree program to meet Mason requirements. The advisor also can help students choose electives or a minor.

For policies governing all undergraduate degrees, see AP.5 Undergraduate Policies.

## Requirements

### Degree Requirements

Total credits: minimum 120

This is a Green Leaf program.

Students should be aware of the specific policies associated with this program, located on the Admissions & Policies tab.

Integrative studies students complete INTS 391 Understanding Integrative Studies and choose a concentration from the options below. Before registering, students should see an advisor to help plan their degree program to meet Mason requirements. The advisor also can help students choose electives or a minor.

### Required Course

| Code     | Title                             | Credits |
|----------|-----------------------------------|---------|
| INTS 391 | Understanding Integrative Studies | 3       |

### Concentration in the Major

A concentration is the equivalent of a major in a traditional degree program. Students choose from an established multidisciplinary concentration below or create with faculty an individualized program of study to fit their interests and needs. Concentration coursework combines integrative studies (INTS) classes with coursework from other Mason units (departments, schools, and colleges). While fulfilling the concentration requirements, students are also responsible for completing a minimum of 30 credits of INTS coursework. Any INTS courses required for the concentration will apply. Students must present a minimum GPA of 2.00 in courses applied to the concentration.

### Concentrations

- Applied Global Conservation (AGCN)
- Life Sciences (LIFS)
- Individualized Concentration (IND)

### Applied Global Conservation (AGCN)

Total credits: 41-45

#### Core Courses in Global Conservation

| Code          | Title  | Credits |
|---------------|--|---------|
| INTS 210      | Sustainable World (Mason Core)                               | 4       |
| INTS 401      | Conservation Biology (Mason Core)                            | 6       |
| INTS 402      | Plants and People - Sustenance, Ceremony, and Sustainability | 6       |
| or INTS 403   | Conservation Behavior (Mason Core)                           |         |
| Total Credits |  | 16      |

#### Additional Global Environmental Course

| Code                                  | Title   | Credits |
|---------------------------------------|---|---------|
| Select one course from the following: |   | 3       |
| ANTH 370                              | Environment and Culture                                       |         |
| ANTH 400                              | Engaging the World: Anthropological Perspectives (Mason Core) |         |
| EVPP 337                              | Environmental Policy Making in Developing Countries           |         |
| EVPP 436                              | The Human Dimensions of Global Climate Change                 |         |
| GGG 302                               | Global Environmental Hazards                                  |         |
| GGG 304                               | Population Geography (Mason Core)                             |         |
| SOCI 320                              | Globalization and Social Change (Mason Core)                  |         |
| Total Credits                         |   | 3       |

**Statistics**

| Code          | Title                                  | Credits |
|---------------|--|---------|
| STAT 250      | Introductory Statistics I (Mason Core) | 3-4     |
| or BIOL 312   | Biostatistics for Bioinformatics       |         |
| or BIOL 214   | Biostatistics for Biology Majors       |         |
| Total Credits |  | 3-4     |

**Additional Learning Community**

In addition to the courses below, INTS 375 Special Topics, INTS 395 Field-Based Work, and INTS 398 Field-Based Work may be applied to the concentration when the topic is relevant to conservation studies.

| Code                                      | Title  | Credits |
|---|--|---------|
| Select one course from the following: 3-6 |  |         |
| INTS 305                                  | Conflict Resolution and Transformation                                 |         |
| INTS 311                                  | The Mysteries of Migration: Consequences for Conservation (Mason Core) |         |
| INTS 334                                  | Environmental Justice (Mason Core)                                     |         |
| INTS 331                                  | The Nonprofit Sector (Mason Core)                                      |         |

**Natural Science and Policy**

Students may complete this requirement through regular coursework or through either option of the Smithsonian-Mason Semester Program.

| Code                      | Title                                | Credits |
|---------------------------|--------------------------------------|---------|
| <b>Regular Coursework</b> |                                      |         |
| Three credits of          |                                      | 3       |
| INTS 390                  | International Internship             |         |
| or INTS 395               | Field-Based Work                     |         |
| BIOL 308                  | Foundations of Ecology and Evolution | 5       |
| BIOL 310                  | Biodiversity                         | 3       |
| BIOL 330                  | Biodiversity Lab and Recitation      | 2       |
| BIOL 377                  | Applied Ecology                      | 3       |
| or EVPP 361               | Introduction to Environmental Policy |         |
| Total Credits             |                                      | 16      |

**Smithsonian-Mason Semester Program**

Students complete one of the options offered through the Mason Center for Conservation Studies in cooperation with the Smithsonian Conservation Biology Institute. In this integrated series of courses, taken together in one semester, students live on site at the institute in Front Royal, VA. Students who apply this coursework to the concentration cannot also apply it to the minor in Conservation Studies.

**Conservation, Biodiversity and Society Option (16 credits)**

| Code          | Title   | Credits |
|---------------|---|---------|
| CONS 320      | Conservation in Practice                            | 3       |
| CONS 401      | Conservation Theory                                 | 3       |
| CONS 402      | Applied Conservation                                | 4       |
| CONS 410      | Human Dimensions in Conservation (Mason Core)       | 3       |
| CONS 490      | RS: Integrated Conservation Strategies (Mason Core) | 3       |
| Total Credits |   | 16      |

**Wildlife Ecology and Conservation Option (16 credits)**

Offered only in Fall semesters, students complete four required courses:

| Code          | Title                                 | Credits |
|---------------|---------------------------------------|---------|
| CONS 400      | Conservation Seminar                  | 2       |
| CONS 404      | Biodiversity Monitoring               | 4       |
| CONS 405      | Landscape and Macrosystems Ecology    | 4       |
| CONS 496      | Research in Conservation (Mason Core) | 6       |
| Total Credits |                                       | 16      |

**Endangered Species and Conservation Option (16 credits)**

Offered only in Spring semesters, students complete four required courses:

| Code          | Title   | Credits |
|---------------|---|---------|
| CONS 400      | Conservation Seminar                              | 2       |
| CONS 406      | Small Population Management                       | 4       |
| CONS 491      | RS: Conservation Management Planning (Mason Core) | 4       |
| CONS 496      | Research in Conservation (Mason Core)             | 6       |
| Total Credits |   | 16      |

**Life Sciences (LIFS)**

Students must complete one of the following emphases.

**Preoccupational Therapy Emphasis**

| Code   | Title                                     | Credits |
|--|---|---------|
| One SOCI course  |   | 3       |
| BIOL 124   | Human Anatomy and Physiology              | 4       |
| BIOL 125   | Human Anatomy and Physiology              | 4       |
| PHIL 151   | Introduction to Ethics                    | 3       |
| or PHIL 309  | Bioethics (Mason Core)                    |         |
| PSYC 100   | Basic Concepts in Psychology (Mason Core) | 3       |
| PSYC 211   | Developmental Psychology (Mason Core)     | 3       |
| PSYC 325   | Abnormal Psychology                       | 3       |
| STAT 250   | Introductory Statistics I (Mason Core)    | 3       |
| Select at least 6 credits of relevant upper division INTS coursework chosen with an advisor. |   | 6       |
| Total Credits  |   | 32      |

**Premedical Emphasis**

| Code                | Title  | Credits |
|---------------------|--|---------|
| BIOL 213            | Cell Structure and Function (Mason Core)   | 4       |
| BIOL 311            | General Genetics   | 4       |
| BIOL 483            | General Biochemistry   | 4       |
| CHEM 211 & CHEM 213 | General Chemistry I (Mason Core) and General Chemistry Laboratory I (Mason Core)   | 4       |
| CHEM 212 & CHEM 214 | General Chemistry II (Mason Core) and General Chemistry Laboratory II (Mason Core) | 4       |
| CHEM 313 & CHEM 315 | Organic Chemistry I and Organic Chemistry Lab I                                    | 5       |
| CHEM 314 & CHEM 318 | Organic Chemistry II and Organic Chemistry Lab II                                  | 5       |
| MATH 110            | Introductory Probability (Mason Core)  | 3-4     |
| or MATH 113         | Analytic Geometry and Calculus I (Mason Core)                                      |         |
| MATH 111            | Linear Mathematical Modeling (Mason Core)  | 3-4     |

|                         |   |       |
|-------------------------|---|-------|
| or MATH 114             | Analytic Geometry and Calculus II                                       |       |
| PHYS 243<br>& PHYS 244  | College Physics I (Mason Core)<br>and College Physics Lab (Mason Core)  | 4     |
| PHYS 245<br>& PHYS 246  | College Physics II (Mason Core)<br>and College Physics Lab (Mason Core) | 4     |
| PHIL 151<br>or PHIL 309 | Introduction to Ethics<br>Bioethics (Mason Core)                        | 3     |
| PSYC 100                | Basic Concepts in Psychology (Mason Core)                               | 3     |
| Total Credits           |   | 50-52 |

**Pre dental Emphasis**

| Code                                  | Title  | Credits |
|---------------------------------------|--|---------|
| BIOL 103                              | Introductory Biology I (Mason Core)  | 4       |
| BIOL 213                              | Cell Structure and Function (Mason Core)   | 4       |
| CHEM 211<br>& CHEM 213                | General Chemistry I (Mason Core)<br>and General Chemistry Laboratory I<br>(Mason Core)                                       | 4       |
| CHEM 212<br>& CHEM 214                | General Chemistry II (Mason Core)<br>and General Chemistry Laboratory II<br>(Mason Core)                                     | 4       |
| CHEM 313                              | Organic Chemistry I  | 3       |
| CHEM 315                              | Organic Chemistry Lab I  | 2       |
| CHEM 314                              | Organic Chemistry II   | 3       |
| CHEM 318                              | Organic Chemistry Lab II   | 2       |
| CHEM 463                              | General Biochemistry I   | 4       |
| CHEM 465                              | Biochemistry Lab   | 2       |
| PHYS 103<br>or PHYS 243<br>& PHYS 244 | Physics and Everyday Phenomena I<br>(Mason Core)<br>College Physics I (Mason Core)<br>and College Physics Lab (Mason Core)   | 4       |
| PHYS 104<br>or PHYS 245<br>& PHYS 246 | Physics and Everyday Phenomena II<br>(Mason Core)<br>College Physics II (Mason Core)<br>and College Physics Lab (Mason Core) | 4       |
| PHIL 151<br>or PHIL 309               | Introduction to Ethics<br>Bioethics (Mason Core)   | 3       |
| Total Credits                         |  | 43      |

**Prepharmacy Emphasis**

| Code                   | Title  | Credits |
|------------------------|--|---------|
| BIOL 103               | Introductory Biology I (Mason Core)  | 4       |
| BIOL 213               | Cell Structure and Function (Mason Core)   | 4       |
| CHEM 211<br>& CHEM 213 | General Chemistry I (Mason Core)<br>and General Chemistry Laboratory I<br>(Mason Core)   | 4       |
| CHEM 212<br>& CHEM 214 | General Chemistry II (Mason Core)<br>and General Chemistry Laboratory II<br>(Mason Core) | 4       |
| CHEM 313               | Organic Chemistry I  | 3       |
| CHEM 315               | Organic Chemistry Lab I  | 2       |
| CHEM 314               | Organic Chemistry II   | 3       |
| CHEM 318               | Organic Chemistry Lab II   | 2       |
| MATH 113               | Analytic Geometry and Calculus I (Mason Core)  | 4       |
| MATH 114               | Analytic Geometry and Calculus II  | 4       |

|                                       |  |    |
|---------------------------------------|--|----|
| PHIL 151<br>or PHIL 309               | Introduction to Ethics<br>Bioethics (Mason Core)   | 3  |
| PHYS 103<br>or PHYS 243<br>& PHYS 244 | Physics and Everyday Phenomena I<br>(Mason Core)<br>College Physics I (Mason Core)<br>and College Physics Lab (Mason Core)   | 4  |
| PHYS 104<br>or PHYS 245<br>& PHYS 246 | Physics and Everyday Phenomena II<br>(Mason Core)<br>College Physics II (Mason Core)<br>and College Physics Lab (Mason Core) | 4  |
| STAT 250                              | Introductory Statistics I (Mason Core)   | 3  |
| Total Credits                         |  | 48 |

**Prephysical Therapy Emphasis**

| Code                                  | Title   | Credits |
|---------------------------------------|---|---------|
| BIOL 103                              | Introductory Biology I (Mason Core)   | 4       |
| BIOL 124                              | Human Anatomy and Physiology  | 4       |
| BIOL 125                              | Human Anatomy and Physiology  | 4       |
| PSYC 100                              | Basic Concepts in Psychology (Mason Core)   | 3       |
| STAT 250                              | Introductory Statistics I (Mason Core)  | 3       |
| CHEM 103<br>or CHEM 211<br>& CHEM 213 | Chemical Science in a Modern Society<br>(Mason Core)<br>General Chemistry I (Mason Core)<br>and General Chemistry Laboratory I (Mason Core) | 4       |
| CHEM 104<br>or CHEM 212<br>& CHEM 214 | Chemistry for Changing Times (Mason Core)<br>General Chemistry II (Mason Core)<br>and General Chemistry Laboratory II (Mason Core)          | 4       |
| PHIL 151<br>or PHIL 309               | Introduction to Ethics<br>Bioethics (Mason Core)  | 3       |
| PHYS 103<br>or PHYS 243<br>& PHYS 244 | Physics and Everyday Phenomena I<br>(Mason Core)<br>College Physics I (Mason Core)<br>and College Physics Lab (Mason Core)                  | 4       |
| PHYS 104<br>or PHYS 245<br>& PHYS 246 | Physics and Everyday Phenomena II<br>(Mason Core)<br>College Physics II (Mason Core)<br>and College Physics Lab (Mason Core)                | 4       |
| PSYC 211<br>or PSYC 325               | Developmental Psychology (Mason Core)<br>Abnormal Psychology  | 3       |
| Total Credits                         |   | 40      |

**Prephysician's Assistant Emphasis**

| Code                   | Title  | Credits |
|------------------------|--|---------|
| BIOL 124               | Human Anatomy and Physiology   | 4       |
| BIOL 125               | Human Anatomy and Physiology   | 4       |
| BIOL 213               | Cell Structure and Function (Mason Core)   | 4       |
| BIOL 246               | Introductory Microbiology  | 3       |
| CHEM 211<br>& CHEM 213 | General Chemistry I (Mason Core)<br>and General Chemistry Laboratory I<br>(Mason Core)   | 4       |
| CHEM 212<br>& CHEM 214 | General Chemistry II (Mason Core)<br>and General Chemistry Laboratory II<br>(Mason Core) | 4       |
| CHEM 313               | Organic Chemistry I  | 3       |

|                         |  |    |
|-------------------------|--|----|
| CHEM 315                | Organic Chemistry Lab I                          | 2  |
| CHEM 463                | General Biochemistry I                           | 4  |
| CHEM 465                | Biochemistry Lab                                 | 2  |
| PSYC 100                | Basic Concepts in Psychology (Mason Core)        | 3  |
| PSYC 211                | Developmental Psychology (Mason Core)            | 3  |
| STAT 250                | Introductory Statistics I (Mason Core)           | 3  |
| PHIL 151<br>or PHIL 309 | Introduction to Ethics<br>Bioethics (Mason Core) | 3  |
| Total Credits           |  | 46 |

### Individualized Concentration (IND)

| Code   | Title | Credits |
|--|-------|---------|
| With approval of the executive director, students may construct an individualized concentration. |       | 30      |
| Total Credits  |       | 30      |

### Additional Electives

Any remaining credits may be completed with electives to bring the degree total to 120

## Accelerated Master's

The accelerated master's program listed below specifies the BS in integrative studies as a feeder degree for its program. It is important to note, however, that many accelerated master's programs are available for any bachelor's degree at Mason, including this one. See the full list of degrees with accelerated programs at George Mason.

## Bachelor's Degree (selected)/ Interdisciplinary Studies, Accelerated MAIS (Social Justice and Human Rights Concentration)

### Overview

Highly-qualified undergraduates in select majors (listed below) may apply to the accelerated master's degree in interdisciplinary studies with a concentration in social justice and human rights. If accepted, and depending on their undergraduate major, students will be able to earn an undergraduate degree in their chosen major and a master's in interdisciplinary studies with a concentration in social justice and human rights after satisfactory completion of 150 credits, sometimes within five years.

For more detailed information, see AP.6.7 Bachelor's/Accelerated Master's Degrees. For policies governing all graduate degrees, see AP.6 Graduate Policies.

### Selected Majors

Anthropology, Environmental and Sustainability Studies, Sociology, English, History, Philosophy, Conflict Analysis and Resolution, Psychology, Government and International Politics, Integrative Studies, and Communication.

### Application Requirements

Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate

study as specified in Graduate Admissions. For information specific to the accelerated MAIS, see Application Requirements and Deadlines (<http://mais.gmu.edu/programs/la-mais-isin/application>) on the departmental web site.

### Accelerated Option Requirements

While undergraduate students, accelerated master's students complete INTS 540 Contemporary Issues in Social Justice Human Rights and one course chosen from the list of electives for the MAIS concentration in social justice and human rights as indicated on their Accelerated Master's Program Application with a minimum grade of B in each course. Once admitted to the accelerated master's pathway, students must maintain a minimum cumulative GPA of 3.25 in all course work. Upon completion and conferral of the undergraduate degree in the semester indicated in the application, they submit the Bachelor's/Accelerated Master's Transition Form and are admitted to graduate status.

As graduate students, accelerated master's students have an advanced standing. They must meet all master's degree requirements except for the two courses (6 credits) they completed as undergraduates. Students must begin their master's program the semester immediately following conferral of the undergraduate degree.

### Reserve Graduate Credit

Students may take up to 6 additional graduate credits as reserve graduate credit (chosen from the list of electives for the MAIS concentration in social justice and human rights). These credits do not apply to the undergraduate degree. The ability to take courses for reserve graduate credit is available to all high achieving undergraduates with the permission of the program. Permission to take a graduate course for reserve graduate credit is normally granted only to Mason seniors within 15 hours of graduation. See AP.1.4.4 Graduate Course Enrollment by Undergraduates.

| Code  | Title | Credits |
|---|-------|---------|
| Select up to 6 credits from the list of electives for the MAIS concentration in social justice and human rights |       | 6       |
| Total Credits   |       | 6       |