

# INTEGRATIVE STUDIES, BS

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

## Academic Advising

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Fairfax Campus

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The BS 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 18 credits at the 300 and 400 levels. These 30 INTS credits fulfill the writing intensive and synthesis Mason Core requirements. In addition, students must complete ENGH 302 Advanced Composition (Mason Core). 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 AP5 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.

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.

### Concentrations 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	
GGS 302	Global Environmental Hazards	
GGS 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 (15 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)	5
Total Credits		15

**Endangered Species and Conservation Option (15 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)	5
Total Credits		15

**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 & PHYS 244	College Physics I (Mason Core) and College Physics Lab (Mason Core)	4

PHYS 245 & PHYS 246	College Physics II (Mason Core) and College Physics Lab (Mason Core)	4
PHIL 151 or PHIL 309	Introduction to Ethics Bioethics (Mason Core)	3
PSYC 100	Basic Concepts in Psychology (Mason Core)	3

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Total Credits 50-52

**Predental Emphasis**

Code	Title	Credits
BIOL 103	Introductory Biology I (Mason Core)	4
BIOL 213	Cell Structure and Function (Mason Core)	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	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	Physics and Everyday Phenomena I (Mason Core)	4
or PHYS 243 & PHYS 244	College Physics I (Mason Core) and College Physics Lab (Mason Core)	
PHYS 104	Physics and Everyday Phenomena II (Mason Core)	4
or PHYS 245 & PHYS 246	College Physics II (Mason Core) and College Physics Lab (Mason Core)	
PHIL 151 or PHIL 309	Introduction to Ethics Bioethics (Mason Core)	3

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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 & 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	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 or PHIL 309	Introduction to Ethics Bioethics (Mason Core)	3

PHYS 103	Physics and Everyday Phenomena I (Mason Core)	4
or PHYS 243 & PHYS 244	College Physics I (Mason Core) and College Physics Lab (Mason Core)	
PHYS 104	Physics and Everyday Phenomena II (Mason Core)	4
or PHYS 245 & PHYS 246	College Physics II (Mason Core) and College Physics Lab (Mason Core)	
STAT 250	Introductory Statistics I (Mason Core)	3

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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	Chemical Science in a Modern Society (Mason Core)	4
or CHEM 211 & CHEM 213	General Chemistry I (Mason Core) and General Chemistry Laboratory I (Mason Core)	
CHEM 104	Chemistry for Changing Times (Mason Core)	4
or CHEM 212 & CHEM 214	General Chemistry II (Mason Core) and General Chemistry Laboratory II (Mason Core)	
PHIL 151 or PHIL 309	Introduction to Ethics Bioethics (Mason Core)	3
PHYS 103	Physics and Everyday Phenomena I (Mason Core)	4
or PHYS 243 & PHYS 244	College Physics I (Mason Core) and College Physics Lab (Mason Core)	
PHYS 104	Physics and Everyday Phenomena II (Mason Core)	4
or PHYS 245 & PHYS 246	College Physics II (Mason Core) and College Physics Lab (Mason Core)	
PSYC 211 or PSYC 325	Developmental Psychology (Mason Core) Abnormal Psychology	3

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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 & 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	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 or PHIL 309	Introduction to Ethics 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 master's 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 3.00 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