

# Environmental Science & Terrestrial Resource Management (ESRM) Major New Student Advising Session– for First-Year UW Students

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New Major Information and  
Welcome for All Interested Students

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ESRM and BSE Majors



# Who is this presentation for?

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- > All Incoming ESRM Major First Year Students
- > Students who are declared Environmental Studies (ENVIR) majors and want to see how ESRM and ENVIR compare
- > Students who are interested in the environment and want to investigate environmental majors
  - Anyone interested in learning more about the other Majors in the College of the Environment should check out <https://environment.uw.edu/students/degrees-and-courses/undergraduate-degrees/>



# Agenda

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- > ESRM Majors: About Autumn Quarter Registration
- > In Case You Missed It: sending records of your College level credits
- > ESRM Major Communication Tools: Blog, Emails, Web site
- > Some Frequently Asked Questions (FAQ) about Environmental Sciences, Environmental Studies, and some other “Environmental” majors here at the UW
- > Details about ESRM Major vs its 4 Degree Options
- > Final Questions and Slide Posting

A copy of these presentation slides is available at <https://sefs.uw.edu/students/undergraduate/annual-class-schedules-and-academic-planning-sheets/>



# Environmental Sciences and Terrestrial Resource Management (ESRM) : Registering for Autumn Quarter



# First, some Registration Context: ESRM Sample 4-Year Plan

First Year	Autumn Quarter	Cr	Winter Quarter	Cr	Spring Quarter	Cr
	CHEM 120/142	5	CHEM 220/CHEM 152	5	Any <del>NSc</del> outside of major	5
	English Composition (C) course	5	Any <del>SSc</del> (that also meets the W course requirement)	5	ESRM 235 or other ECON (meets <del>SSc</del> )	5
	[MATH 120 only if needed; Otherwise, Any A&H (that also meets the W course requirement)]	5	Q SCI 291 / MATH 124	5	Q SCI 292/MATH 125	5
	<b>Qtr. Total:</b>	<b>15</b>	<b>Qtr. Total:</b>	<b>15</b>	<b>Qtr. Total:</b>	<b>15</b>
Second Year	Autumn Quarter	Cr	Winter Quarter	Cr	Spring Quarter	Cr
	BIOL 180	5	BIOL 200	5	BIOL 220	5
	ESRM 201	5	ESRM 300	2	ESRM 304	5
	Any <del>SSc</del> (that also meets DIV)	5	ESRM 200	5	QSCI 381 or other Statistics	5
			Free elective (if needed)	3		
Third Year	Autumn Quarter	Cr	Winter Quarter	Cr	Spring Quarter	Cr
	ESRM 3XX/4XX	5	ESRM 3XX/4XX	5	ESRM 3XX/4XX	5
	ESRM 3XX/4XX	5	ESRM 250	5	ESRM 4XX	5
	ESRM 210 or other Earth Science	5	COM requirement (meets A&H)	5	Any <del>NSc</del> outside of major	5
	<b>Qtr. Total:</b>	<b>15</b>	<b>Qtr. Total:</b>	<b>15</b>	<b>Qtr. Total:</b>	<b>15</b>
Fourth Year	Autumn Quarter	Cr	Winter Quarter	Cr	Spring Quarter	Cr
	ESRM 4XX	5	ESRM 4XX	5	ESRM 4XX	5
	ESRM 4XX	5	Free Elective (if needed)	5	Free elective (if needed)	5
	Free Elective (if needed)	5	Free Elective (if needed)	5	Free elective (if needed)	5
	<b>Qtr. Total:</b>	<b>15</b>	<b>Qtr. Total:</b>	<b>15</b>	<b>Qtr. Total:</b>	<b>15</b>

List of  
Required  
Courses and  
Sample 4-  
Year Plans  
are  
available on  
the SEFS  
web site

# Autumn Courses to Register for in ESRM (Alternatives to follow)

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- > In order to start strong in your major, please register for the following Autumn courses:
  - MATH 120: Precalculus (5 Credit)
    - > ONLY if you did not complete Pre-Calculus in High School or do not place into calculus via the math self-placement test.
  - CHEM 120: Principles of Chemistry I, or CHEM 142: General Chemistry (5 credits)
    - > First of 2 quarters of Chemistry.
    - > Note that CHEM 120 is only offered Autumn quarter
    - > Please take CHEM 110 Preparation for General Chemistry, if needed to prepare for 120 or 142
  - English Composition (5 credits)
  - Registering for a FIG is also an excellent idea if you can fit it in.



# Placement Tests to Take and Scores to Save

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- > Take the Chemistry Placement test in order to enroll in CHEM 120 or CHEM 142 (or CHEM 110 if you need more Chemistry preparation):  
<https://chem.washington.edu/placement>
- > Take the MATH Placement Test if you need to take Pre-Calculus (MATH 120) this Autumn, or want to get started with your first Calculus course requirement (either Q SCI 291 or MATH 124):  
<https://sites.math.washington.edu/~gsp/>.
  - IMPORTANT NOTE: save a screenshot of your results as you may need it to register for Q SCI 291



# ESRM Autumn Registration Alternatives and Alerts

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- > Back-up classes: if you have credit for any or all suggested Autumn courses, please register for any of the following: one non-ESRM-prefixed SSc or NSc course, or an A & H course instead (5-15 credits)
- > More back-up courses: First Quarter Calculus (Q SCI 291 or MATH 124) or anything on the ESRM Sample 4-year course plan
- > Please do NOT register for: BIOL 180: Introductory Biology
  - > While this class has no prerequisites, you cannot register for the following BIOL course in the series without 2 quarters of CHEM, so DO THE CHEM SERIES FIRST
- > You do not need BIOL 180, 200, 220 in ESRM IF you have UW credit via AP Biology for BIOL 161 AND 162





# For Comparison: Autumn quarter registration for Environmental Studies (ENVIR)

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Starting Strong in the ENVIR major – via ENVIR Advising

- > **Please register for the following Autumn courses:**
  - **ENVIR 100: Introduction to Environmental Studies (5 cr)**
    - > [Please note: this is not the same as the course you received credit for with AP Environmental Science (ESRM 100)]
  - **ENVIR 101: Orientation to Environmental Studies (1 cr)**
  - **English Composition course (5 credits)**
  - **One non-ENVIR NSc or SSc course (5 cr)**
  - **Registering for a FIG is also an excellent idea if you can fit it in to your schedule**

# In Case You Missed it: sending records of your College-level credits



# Your College Credits

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We cannot advise you correctly if you have missing college credits that should be on your UW student record

- > **How can I tell if the UW has all my credits?**
  - Check the top of your Unofficial UW Transcript - <https://sdb.admin.uw.edu/students/uwnetid/unofficial.asp>. Make sure all transfer/running start college credits are listed and all credits earned from AP/IB/or A or AS level are also listed
- > **Anything missing? Be sure to have a copy of your unofficial transcript/test scores on hand for your advisor meeting.**

# Missing Test Scores: How to send your scores and what UW credits you will receive.

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- > **Answers for AP Scores:**

<https://admit.washington.edu/apply/transfer/exams-for-credit/ap/>

- > **Answers for IB scores:**

<https://admit.washington.edu/apply/transfer/exams-for-credit/ib/>

- > **Answers for A and AS level scores:**

<https://admit.washington.edu/apply/transfer/exams-for-credit/a-as-level/>

# How Do I Send My Final College/University Transcripts and UW credits you will receive?

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- > Sending final College/University transcripts:  
<https://admit.washington.edu/apply/transfer/how-to-apply/transcripts/>
- UW course equivalencies for courses complete at a WA Community College are listed at  
<https://admit.washington.edu/apply/transfer/equivalency-guide/>



# ESRM Major Communication Tools: SEFS BLOG, SEFS Emails, SEFS Web Site



# SEFS Email and Student Blog

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## > Communication from SEFS to its Undergraduate Students

- Email lists – you will be subscribed to SEFS email lists and will be sent information relating to academic advising, SEFS events, career & internship opportunities, and connection opportunities with other SEFS and UW students
  - > We try to limit what goes out over email
- Student Blog: <https://sefs.uw.edu/students/student-blog/>
  - > This is where all other useful information is available
  - > Has both undergraduate and graduate student postings, so be sure to filter to “Undergraduates”



# SEFS Web Site Content

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- > Undergraduate advising scheduling, hours, contact information to reach advising:  
<https://sefs.uw.edu/students/undergraduate/undergraduate-advising/>
- > ESRM Academic Requirements:  
<https://sefs.uw.edu/students/undergraduate/esrm/esrm-major-requirements/>
- > ESRM Annual Schedule and major planning tools:  
<https://sefs.uw.edu/students/undergraduate/annual-class-schedules-and-academic-planning-sheets/>





# Some FAQs about ESRM, ENVIR, and other Environment Majors at the UW



# Environmental Science major (ESRM) at UW

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- > Environmental Science and Terrestrial Resource Management (ESRM)
- > Students learn about natural and human-dominated environments and how to apply fundamental math, science, and specialty knowledge in terrestrial environmental science subjects to real-world environmental problems.
- > Students complete a set of Math and Science fundamentals, ESRM Core courses and lower-level ESRM fundamentals, and finish by completing one of five pathways for the final 45 credits of 300 or 400 level ESRM courses. A Senior Capstone course series is available – completing a Capstone is required for some pathways and optional for the remainder of the students
- > B.S., Environmental Sciences and Terrestrial Resource Management
- > The School's web site: <https://sefs.uw.edu>



# For Comparison: Environmental Studies major (ENVIR) at UW

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- > Students learn about Environmental Studies in a broad interdisciplinary fashion – with areas of study in and intersection with natural science, social science and the humanities
- > “Together we study how societies can enhance environmental health and well-being by fostering behavioral change and bringing innovative approaches and technologies to bear in addressing environmental challenges”.
- > Student complete a set of Core courses, restricted electives, and must have the Core completed before they complete their major with a 3-quarter Capstone experience.
- > Bachelor of Arts (B.A.) in Environmental Studies
- > Web site for all Environmental Studies information: <https://envstudies.uw.edu/>.



# Some Differences in the Majors

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What are some important differences between CoENV majors?

## > Earned degree

- ENVIR is a B.A. degree program; ESRM is a B.S. degree program
- Most but not all other degrees in the College of Environment (CoENV) are B.S. degrees, see [the majors list for more information](#)

## > Math and Science requirements

- ESRM, in addition to ESRM classes, requires eight classes – in Calculus, Statistics, Chemistry and Biology
- ENVIR's requirements in these areas are much smaller
- Other B.S. programs in the CoENV have similar Math/Sci requirements to ESRM

# Studying the Environment

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What are some important differences in environment majors

- > **How the majors approach studying the environment (broad generalities)**
  - In general, ESRM focuses on environmental science as a natural science field
  - In general, ENVIR focuses on areas of study in and intersection with natural science, social science and the humanities
  - Other B.S. degrees in the CoENV focus on studying natural sciences subjects
- You will find examples of both approaches all majors: it is a matter of the overall emphasis in each major

# Studying Terrestrial vs Water Environmental topics

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- > Studying primarily Terrestrial or Water-focused environmental topics
  - ESRM – primarily land-based (terrestrial) environmental topics
  - ENVIR – focuses more on areas of study in and intersection with natural science, social science and the humanities rather than terrestrial or water-focused topics per se
  - Water-focused Environmental majors in the College of the Environment (Minors are also available in these areas):
    - > Aquatic and Fisheries Sciences
    - > Marine Biology
    - > Oceanography



# Matching Your Environmental Interest With a Major and Career

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- > How do I match up my environmental interests with possible careers and majors?
- > Pathway U is here to help!  
<https://uw.pathwayu.com/>
- [One of many UW Career Center resources] -  
<https://careers.uw.edu/>



# Pathways U - My Journey

## My Journey

The path toward joy, meaning and purpose

### SELF-DISCOVERY

#### Discover more about yourself

Complete PathwayU's 4 assessments to start uncovering your unique path to purpose.

TAKE ASSESSMENTS

### SELF-DISCOVERY

#### Explore your career matches

Once you've taken the assessments, check out how good a fit you are with different careers.

UNCOVER CAREERS THAT FIT

### MY CAREER

#### Research careers of interest

Watch short videos or peruse guides to learn more about the career fields that interest you.

DIG DEEPER INTO CAREERS

### MY CAREER

#### Test drive skills needed for jobs

Before committing to a major or career, take micro-courses on LinkedIn Learning to see if you understand and enjoy relevant tasks.

LINKEDIN LEARNING

### MY SCHOOL

#### Prepare to pursue your interests

Alumni profiles, videos, guidebooks, blog posts, sample job titles, in-demand skill lists, and even related job and internship postings...for 8 career interest areas.

### MY SCHOOL

#### Find internships & jobs available to UW Huskies in Handshake

Handshake is loaded with thousands of internships and jobs available to Huskies!

SEARCH FOR INTERNSHIPS & JOBS

### MY SCHOOL

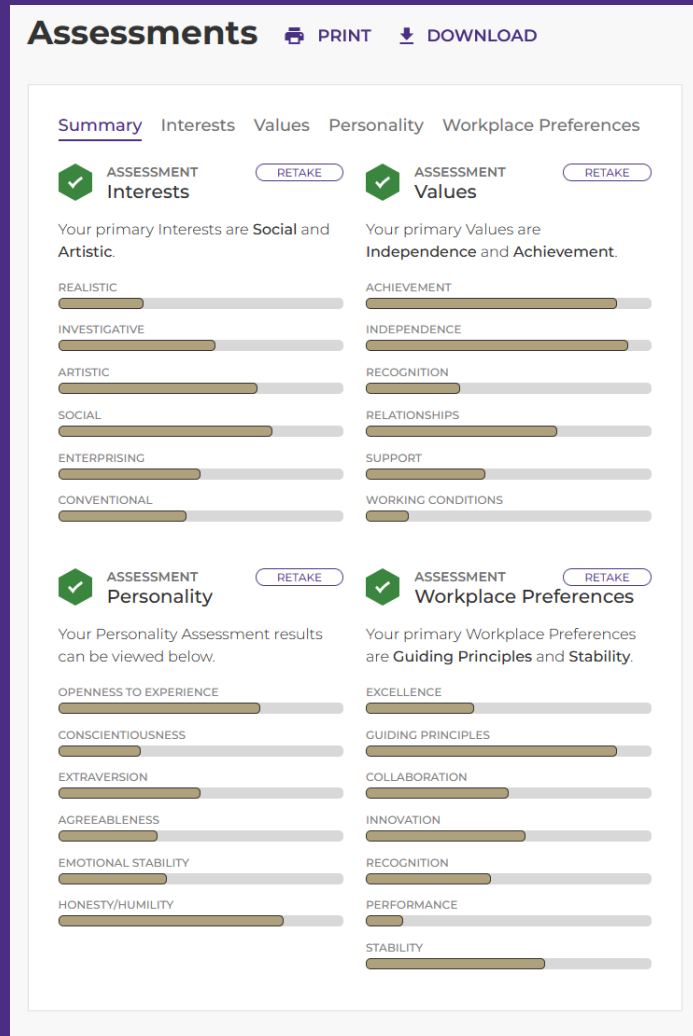
#### Reach out for support

Meet with a UW career coach to further explore your PathwayU results and how they align with careers, majors, and job postings.

SET UP APPOINTMENT



# Pathways U Assessment Results



# Pathways U Career Matches By Subject

## Career Matches by Subject

☒ VIEW BY SUBJECT AREA

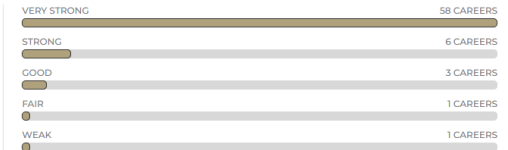
☐ VIEW ALL CAREERS



### SUBJECT AREA Education

This subject area includes opportunities related to administration and administrative support; professional support services; and teaching and training. Examples of careers within this subject area include distance learning coordinators, library technicians, chemistry teachers, physical education specialists, secondary school teachers, and special education teachers.

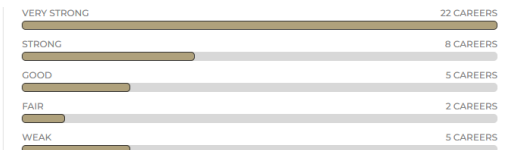
[VIEW CAREERS →](#)



### SUBJECT AREA Human Services

This subject area includes opportunities related to consumer services; counseling and mental health services; early childhood development and services; family and community services; and personal care services. Examples of careers within this subject area include clinical psychologists, rehabilitation counselors, childcare workers, fitness trainers, and personal care aides.

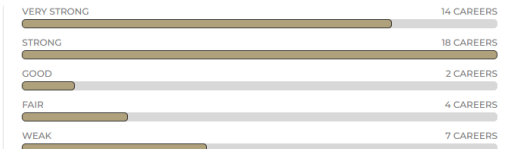
[VIEW CAREERS →](#)



### SUBJECT AREA Arts, Media, & Communication

This subject area includes opportunities related to journalism and broadcasting; performing arts; printing technology; telecommunications; and visual arts. Examples of careers within this subject area include audio and video equipment technicians, broadcast news analysts, sound engineering technicians; writers and authors, producers, music directors, craft artists, and graphic designers.

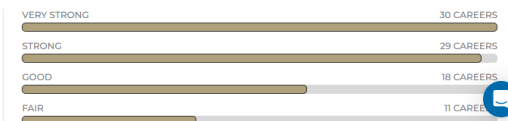
[VIEW CAREERS →](#)



### SUBJECT AREA Health Science

This subject area includes opportunities related to biotechnology research and development; diagnostic services; health informatics; support services; and therapeutic services. Examples of careers within this subject area include cytogenic technologists, surgical assistants, acupuncturists, chiropractors, dentists, occupational therapists, and veterinarians.

[VIEW CAREERS →](#)



# FAQ about the ESRM Major and Degree Options



# FAQ about ESRM Major and Degree Options

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- > ESRM is one of the two Bachelor's degree programs in the School of Environmental and Forest Sciences (SEFS)
- > Students complete the general ESRM degree [incoming ESRM majors are in this program] or one of four ESRM degree Options:
  - ESRM degree: Option in Natural Resources and Environmental Management (NREM)
  - ESRM degree: Option in Restoration Ecology and Environmental Horticulture (REEH)
  - ESRM degree: Option in Sustainable Forest Management (SFM)
  - ESRM degree: Option in Wildlife Conservation (WC)
- All students earn a Bachelor of Science, Environmental Science and Terrestrial Resource Management
- Degree Options are only listed on a student's transcript
- More at <https://sefs.uw.edu/students/undergraduate/esrm/>



# FAQ about the ESRM Major and Options - 2

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- > The only difference between the major and the options are the final 45 credits of the degree.
  - ESRM: General (the Major) students can choose flexible ESRM or outside elective classes at the 300 and 400 levels – this is what you are in now
    - > This allows students to customize a program of study to meet their interests
    - > The vast majority of students chose this pathway to complete their degree
    - > If you want to switch to one of the 4 Options, please wait until next year before contacting an ESRM advisor. There is no rush!
  - All of the other four options have a fixed set of ESRM 300-400 level courses to complete for the final 45 credits.
- > NOTE: There is no difference in future employability between the Major (AKA ESRM: General) and the Options.



# Final Questions and Slide Posting

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- > Many of your questions will be answered during your Orientation session or can be answered if you ask. Please ask your First Year Programs advisor and other FYP staff members for assistance.
- > These slides are posted at <https://sefs.uw.edu/students/undergraduate/annual-class-schedules-and-academic-planning-sheets/>
- > We look forward to working with you during your time in our major!

