



DEPARTMENT OF
ENVIRONMENTAL
SCIENCE & TECHNOLOGY
www.enst.umd.edu

Welcome to ENST!

The Teaching/Advising Team



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TBA

Before We Start...

- Keep in mind that you are starting a new life in college
 - You are an adult...you make your own path going forward

- Why did you choose the ENST major?

(We are interested in getting to know you.)

Goals for Today

- UMD & ENST requirements for graduation
- How to prep for advising meetings
- Register for classes for the fall
- Discussion of special circumstances

University Requirements for Graduation

- Must have at least 120 credits
- Must maintain a GPA of 2.0 in **all** classes
- Must fulfill GenEd requirements (see **GenEd sheet**)

ENST Requirements for Graduation

- Fulfill all requirements for your chosen ENST concentration (see **curriculum sheet**)
- Must maintain 2.0 or better in your **ENST required classes** (i.e. the ones on your ENST curriculum sheet)
 - This means you need to be getting better than just all C's

The ENST Curriculum Sheet

- Four concentrations within the ENST major
 - Ecological Technology Design
 - Ecosystem Health
 - Soil and Watershed Sciences
 - Natural Resources Management
- Each concentration curriculum sheet is different...



Ecological Technology Design

The ENST concentration in Ecological Technology Design prepares students for integrating natural systems with the built environment to solve environmental problems while achieving economic, ecological and social sustainability. The science and applications of using natural systems, processes and organisms to address environmental issues has evolved during the last few decades to a mature level whereby there are strong employment opportunities for graduates that are cross-educated in ecology and technology.

ENST Core (44 credits)		Concentration Core (7 credits)	
▲ BSCI 170&171	Principles of Molecular & Cellular Biology (F, Sp, Su; 4)	ENST 481	Ecological Design (Sp; 4)
▲ MATH 120	Elementary Calculus I (F, Sp; 3)	MATH 121	Elementary Calculus II (F, Sp; 3)
▲ BSCI 160&161	Principles of Ecology & Evolution (F, Sp, Su; 4)	Concentration Depth - Ecology (6 Credits - Choose 2 courses)	
▲ CHEM 131&132	Fundamentals of General Chemistry & Lab (F, Sp, Su; 4)	ENST 410	Ecosystem Services: An Integrated Analysis (F; 3)
▲ ENST 200	Fundamentals of Soil Science (F, Sp; 4)	ENST 422	Soil Microbial Ecology (F; 3)
▲ ENST 233	Introduction to Environmental Health (F, Sp; 4)	ENST 450	Wetland Ecology (F; 3)
▲ CHEM 231&232	Organic Chemistry I & Lab (F, Sp, Su; 4)	ENST 453	Watershed Science (S; 3)
▲ PHYS 121	Fundamentals of Physics I (F, Sp, Su; 4)	GEOL 453	Ecosystem Restoration (F; 3)
▲ GEOG 306	Introduction to Quantitative Methods for the Geographic Environmental Sciences (F, W, Sp, Su; 3) -or-	Concentration Depth - Design (at least 11 Credits - Choose 4 courses)	
▲ BIOM 301	Introduction to Biometrics (F, W, Sp, Su; 3)	ENST 281	Computer Aided Design in Ecology (F; 2)
▲ ENST 360	Ecosystem Ecology (F; 4)	ENST 282	Ecological Innovation and Entrepreneurship (S; 2)
◆ ENST 389	Professional Internship (3)	ENST 405	Energy and Environment (Sp; 3)
◆ Senior Integrative Experience (F, Sp; 3)		ENST 415	Renewable Energy (F; 3)
ENST 358	Honors Thesis Research (3) -or-	ENST 443	Industrial Ecology (TBA; 3)
ENST 470	Ideas into Impact Scholarship and Practice (3) -or-	ENST 485	Water Management in Urban Environment (F; 3)
ENST 466	Senior Professional Internship (3) -or-	◆ GEOG 373	Geographic Information Systems (F, W, Sp, Su; 3) -or-
ENST 489	Research Experience (Group or individual project) (3)	GEOG 372	Remote Sensing (F, W, Sp, Su; 3) -or-
		ENST 456	Spatial Analysis and Ecological Sampling (TBA; 3) -or-
		◆ INAG 237	Surveying and GPS Applications in Agriculture (F; 3)

- ▲ Benchmark to be completed by 30 credits
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- ▲ Benchmark to be completed by 30 credits
- ◆ Requires prior approval

Students must complete an overall GPA of 2.0 and a grade of C- or better for all ENST required classes.

Courses not selected here may count as technical electives on the back, but cannot be counted as both an elective and as a concentration CORE/DEPTH course.

These courses are required of all ENST majors

Classes required for the concentration

Classes required for concentration depth and breadth (electives) – also on the back

The GenEd Sheet

- WATCH DEMO
- Be aware of the codes (i.e. FSAW, DSNS, etc)
- Be aware of when they show up on your transcript or on Testudo

FOR EXAMPLE:

“FSAW, DSNS” ← means that the class can count for both requirements

“FSAW or DSNS” ← means that the class can count for one or the other...**YOU** have to pick

GENERAL EDUCATION			
Requirement (Credits)	Course Used to Fulfill	Semester Completed	Course Grade
FUNDAMENTAL STUDIES (15 credits/5 courses)			
Academic Writing (AW) 3			
Professional Writing (PW) 3			
Oral Communication (OC) 3			
Math (MA) 3			
Analytic Reasoning (AR) 3 <i>If a student completes an Analytic Reasoning course that requires a Fundamental Studies Math (MA) as a Pre-requisite, the Math requirement (MA) has also been fulfilled.</i>			
DISTRIBUTIVE STUDIES (25 credits/8 courses)			
Natural Sciences w/Lab (NL) 4			
Natural Sciences (NS) 3			
History and Social Sciences (HS) 3			
History and Social Sciences (HS) 3			
Humanities (HU) 3			
Humanities (HU) 3			
Scholarship in Practice (SP) 3			
Scholarship in Practice – (SP) 3 Outside Major Requirements			
I-SERIES (6 credits/2 courses)*			
I-Series (IS) 3*			
I-Series (IS) 3*			
DIVERSITY (4-6 credits/2 courses)*			
Understanding Plural Societies (UP) 3*			
Understanding Plural Societies (UP) 3* OR Cultural Competence (CC) 1-3*			
OPTIONAL REQUIREMENTS			
Experiential Learning (0-3)			

*Normally double counted with distributive studies

How to Register for Classes Every Semester

- www.testudo.umd.edu
- Demo in a few minutes

The screenshot displays the 'OFFICE of the REGISTRAR' website. At the top, a red banner contains the office name and contact information: 'Office Hours: Monday - Friday, 8:00am - 5:00pm', 'First Floor, Mitchell Building, College Park, Maryland 20742', 'p. 301-314-8240 | f. 301-314-9568 | registrar-help@umd.edu'. Below this is a gold banner with 'TESTUDO Current Students & Alumni' and 'INTERACTIVE WEB SERVICES'. The main content area features two columns of service links. The left column includes 'Academic Deadlines', 'Course Evaluation Reports & Submissions', 'Financials', 'Former Students Access', 'Honor Pledge', 'Parent Access', 'Plus/Minus Grading', and 'Register to Vote'. The right column is divided into two sections: 'Available Mon - Sat, 7:30am - 11:00pm & Sun, 5:30pm - 11:00pm' and 'Available 24 hours'. The first section lists services like 'Appointment and Registration Status', 'Change Address / E-mail', 'Degree Audit', 'Grant/Remove Parent Access', and 'Registration (Drop/Add)'. The second section lists services like 'Deactivate ID Card', 'Enrollment Certification Request & Status', 'GPA Calculator', and 'Grades'. A sidebar on the left contains a 'FIND IT FAST' section with a 'RYLAN' banner and the 'MyUM UNIVERSITY OF MARYLAND' logo.

UMD and ENST Req's → **How to Register** → Advising Meeting Prep → Class Registration → Special Circumstances

Keep In Mind...

- You can register for up to 17 credits without special permission
- When in doubt, put yourself on the waitlist
- You can add and drop classes until the 10th day that classes have been in session
- Always read the fine print for each class
- Make sure you have enough time to walk to each class
- Make sure each class fulfills the correct requirement(s)
- Some classes can fulfill more than one requirement

Going Forward...The Advising Meeting

- You are assigned a date and time that you are allowed to start registering for the following semester, HOWEVER...
- You **MUST** meet with your advisor (preferably a week in advance) for them to approve your courses and lift your registration block, and...
- You **MUST** come to your advising meeting prepared...
- To that end, there will be group advising every semester as well as one-on-one advising...

Preparation for The Advising Meeting

- Your UNOFFICIAL TRANSCRIPT
- Your UPDATED CURRICULUM SHEET
- Your UPDATED GENED SHEET
- Your FOUR-YEAR PLAN
- YOUR STUDENT QUESTIONNAIRE (only necessary for first advising appointment so your advisor can get to know you)
- Where to find these things: www.enst.umd.edu > undergraduate > advising

Special Circumstances

- TRANSFER STUDENTS ONLY: If you want to get your transferred credits to count for UMD credit...<http://transfercredit.umd.edu/index.html>
- If you want to take more than 17 credits in one semester...http://agnrfacultystaff.umd.edu/pems_submit
- If you want to take classes at another institution but have them count for UMD credit...<http://transfercredit.umd.edu/index.html>
- If you want to do a minor...<https://admissions.umd.edu/explore/colleges-and-schools/majors/minors>
- If you want to study abroad...<https://globalmaryland.umd.edu/offices/education-abroad>

A Few Tips and Tricks

- **Always be proactive** in getting what you want
 - Make sure your four-year plan is updated and that you're sticking to it
 - Take the initiative in setting up your advising appointment
 - Make sure substitutions for classes are acceptable
 - Use the websites to find answers to your questions
 - Contact us or other administrators to get answers to your questions
- **Document, document, document**
 - Always bring UPDATED documentation to your advising meeting
 - Make sure your advisor knows what you've been up to
 - Make sure your advisor writes an Advise-on-the-Web note at the end of every advising

The Five S's for College Success

- Study (this is your new job!!)
 - Sleep
 - Sports
 - Socialize
 - Snacks
-
- IF YOU ARE STRUGGLING, please reach out to us or another trusted adult sooner rather than later.
 - Accessibility and Disability Support: <https://www.counseling.umd.edu/ads/>
 - Counseling: <https://www.counseling.umd.edu/>

BOTTOM LINE:

We want to help you succeed,

but you determine how that happens.

Watch Demo
then
register for classes