

Make This Summer Count!

Earn college credit and experience college life in Maine while exploring **Coastal Marine Ecology, Neuroscience, Nature Writing, Pre-Law/Trial Advocacy or Discrete Mathematics and Game Theory.**



UNIVERSITY OF NEW ENGLAND

Office of Continuing Education and Summer Programs

www.une.edu

Why Early College at UNE?

The University of New England invites High School Juniors and Seniors to apply to the Summer Early College Programs:

- Immerse yourself in one of the following concentrations: Coastal Marine Ecology, Neuroscience, Discrete Mathematics and Game Theory, Writing From Nature, or Pre-Law/Trial Advocacy.
- Experience college life on the Maine coast.
- Work with UNE's exceptional faculty and visiting experts in each field of study.
- Earn 3 college credits!

UNE is well-known for cutting-edge research and scholarship. High school juniors and seniors have the opportunity to study a field of interest, with a UNE faculty member and student assistants who are majoring in the field. It is a summer program to "learn, earn and experience," where you learn from intensive study with UNE faculty, earn 3 college credits, and experience life on a college campus.

UNE's picturesque campus is located on the Saco River estuary between Portland, a major seaport and cultural center, and Kennebunkport, a charming Maine village.

Exciting field trips may include:

- A whale watch out of Kennebunkport.
- Portland Sea Dogs game (schedule permitting).
- Portland waterfront and the "Old Port."
- Destinations chosen to enrich the field of study.

For program dates, please visit our website at www.une.edu/oce.



General Information

Dorms and Dorm Life

Participating in the UNE Early College program offers you an opportunity to experience dorm life and a roommate. The dorms at UNE are close to your classes and dining hall. The rooms include two desks, two shelves and two beds. A dorm counselor/student assistant will be in residence with you. Much of your weekday evenings will be spent with assignments and projects, but there will be plenty of opportunity to socialize and explore the area.

Tuition and Related Fees

Tuition for the two-week academic programs, (includes instruction, field trips and extra-curricular activities) is \$1,330. Tuition for the three-week Neuroscience Program is \$1,945. A limited number of merit scholarships are available. Please go to www.une.edu/oce for scholarship updates.

Room and Board

Two Weeks/Double room (w/meals) \$788

12 nights lodging—meals begin with dinner on the first evening of the program and end with lunch on the final day of the program.

Three Weeks/Double room (w/meals) \$1,160

20 nights lodging—meals begin with dinner on the first evening of the program and end with lunch on the final day of the program

Commuter Students

Lunches are \$180 for two-week programs and \$275 for the three-week program.

Total Costs

Two Weeks—\$2,100

Three Weeks—\$3,066

If accepted in a program, a nonrefundable deposit of \$100 is required by May 15, 2015 to reserve your place. The tuition balance is due June 1, 2015.

Program Application

Send this form along with the following items to the address listed below by May 1, 2015.

- High school transcript and standardized test scores (if available).
- Two letters of recommendation from teachers or guidance counselors.
- 200-word essay on the following: What are your plans for the future and how would participating in a UNE Early College Program help you solidify those plans?
- Non-refundable application fee of \$25 (check payable to the "University of New England")

Applying to (name of program): _____

Please Print:

Last, First and M.I.: _____

Home Address: _____

City: _____ State/Zip: _____

Home Phone: _____

Parent/Guardian E-mail Address: _____

Student E-mail Address: _____

Age _____ Entering _____ grade on 9/1/15

Your high school: _____

School address: _____

Parent signature (required): _____

Cancellation Policy

Program fee will be refunded up to two weeks prior to the start of the program. No refund will be given after that date.

Send all needed materials to:

Early College Program
University of New England
Decary 402
11 Hills Beach Road
Biddeford, ME 04005
Ph: (207) 602-2050 F: (207) 602-5909

UNIVERSITY OF NEW ENGLAND



Office of Continuing Education and Summer Programs

Decary Hall 52
11 Hills Beach Road
Biddeford, ME 04005

Summer

UNE Coastal Marine Ecology Program

Marine Sciences is one of the most popular departments at UNE—with good reason! UNE's faculty is engaged in cutting-edge research in the field. Our Marine Science Center provides state-of-the-art facilities for marine education. The campus is situated on the Saco River estuary between Portland, a major seaport and center of commercial fishing, and Kennebunkport, a classic Maine village, as well as a center for lobstering, fin fishing and whale watching.

- Study marine habitats like salt marshes, barrier beaches, rocky coastlines, and the open ocean.
- Discuss important topics of ecological concern, such as local endangered species and pollution.
- Take a close look at everything from the microscopic phytoplankton to the mighty whale.
- Become familiar with laboratory, field and research skills required of any science major.
- Collect/identify marine and freshwater specimens.
- Cruise the Saco River Estuary on a research vessel.
- Participate in a plankton tow.
- Complete biographical surveys at the rocky intertidal community.



Neuroscience Program

Immerse yourself in the classroom and the lab during this intensive academic experience. Meet top scientists studying: Addiction, Behavior, Development, Disease, Emotion, Memory, Pain and Pharmacology, and earn three college credits.

UNE is well-known for neuroscience research and scholarship (www.une.edu/research/cen). Now high school juniors and seniors have the opportunity to meet and learn from top neuroscientists who will open up their laboratories and provide lectures in this highly competitive program. Tour regional hospitals and laboratories, and interact with world-class faculty.

Topics covered include:

- Cellular anatomy and function
- Drug effects and pharmacology
- Neuroanatomy
- Animal behavior
- Biological correlates of cognition
- Philosophical implications of neuroscience research



"I really enjoyed the field trips and the lab shadowing time. The field trips were very fun, and the professors and doctors we met were interesting and knowledgeable. . . I honestly love everything about the program!"

—Early College Neuroscience 2013 student

"My time at UNE was spectacular!!!! I came away with really close friends, a wealth of knowledge, and . . . college credit for neuroscience. The professor was a Ph.D, still active in the field, and really bright, engaging—and FUNNY."



UNE Early College Pre-Law/ Trial Advocacy Program

Are you looking for a challenging program that will give you insight into the legal profession? This program introduces students to the American legal system and the various types of law, such as Contract Law, Tort Law, Constitutional Law and Criminal Law, while helping students to gain an understanding of how the court system operates. You will visit the Biddeford District or Alfred Superior court to watch a trial (trial schedules permitting).

After studying the American legal system and case law for background, students are placed on a mock trial team where they will take on the role of attorneys and witnesses. During the course, teams will learn the basics regarding the rules of evidence, when objections are appropriate, how to direct and cross-examine a witness, and how to prepare opening and closing statements. The course will conclude with each team presenting their case to a Judge and/or Jury.

"Trust me, you will not regret taking one of these courses." —Annamarie, Pre-Law Program 2013

"The professor is amazing!" —Student in Pre-Law Program 2014



NEW!

Nature Writing in Maine

Do you love to write? Does Nature inspire you? We invite you to spend 2 weeks on UNE's scenic coastal Maine campus, doing what you love most: Writing about Nature!

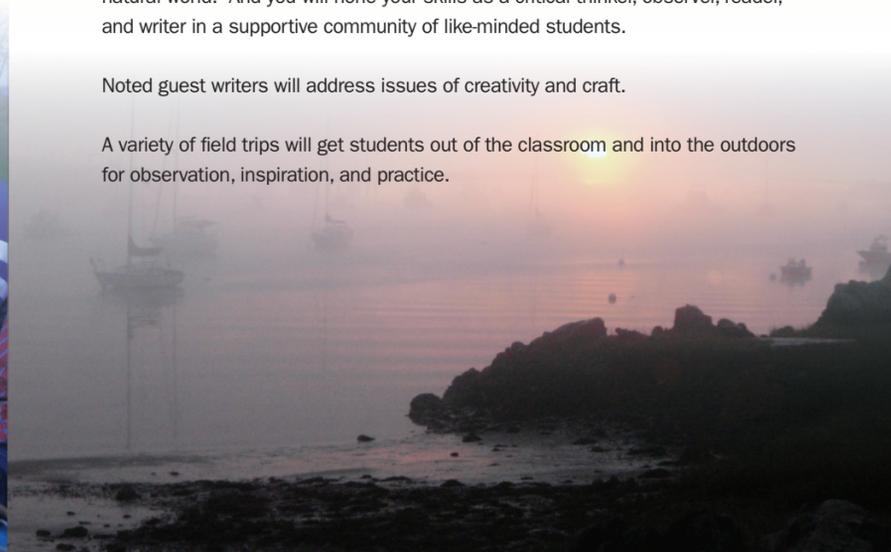
The rugged beauty of Maine in all its diversity—its intricate coastline and islands, clear lakes and rugged mountains, its wildlife and vast North Woods—has inspired writers for centuries. Some of them—including Henry David Thoreau and Rachel Carson—have profoundly altered the way humans perceive and interact with the natural environment.

At the intersection of ecology and human culture, environmental and nature writing have given rise to the modern conservation movement and remain vital to an ongoing exploration of the natural world and the place of people within it.

In this program you will discover the groundbreaking work of some of the most influential American environmental and nature writers. You will experiment with journaling, personal essays, and poetry as you explore your own relationship to the natural world. And you will hone your skills as a critical thinker, observer, reader, and writer in a supportive community of like-minded students.

Noted guest writers will address issues of creativity and craft.

A variety of field trips will get students out of the classroom and into the outdoors for observation, inspiration, and practice.



NEW!

Discrete Mathematics and Game Theory

Discrete Mathematics is used to represent relationships in everything from star systems to social networks, food webs to forensics, chemical bonds to computer architectures, and everything in between. It has many connections in areas such as Biology, Ecology, Linguistics, Probability, Computer Science, and Chemistry. In this class you will learn the fundamentals of Graph Theory through real-world applications of networks, and study both classical and combinatorial Game Theory through hands-on activities. Students will develop a final project around a topic of their choice involving the applications of discrete mathematics.

- Learn how Google ranks webpages.
- Find out how medical students are matched to residency programs.
- See what game strategies have to do with evolutionary biology.
- Understand how Facebook and Twitter use communication networks to connect people.
- Discover the fundamentals of games without chance.
- Create your own games of chance and analyze payouts.

