



ECE DEPARTMENTAL HONORS

INFORMATION SESSION

*Welcome!
We'll get
started soon.*

GOALS

● WHAT is Departmental Honors?

● WHY pursue
Departmental Honors?

● HOW do you apply to and
complete Departmental
Honors?

HONORS OPTIONS

1. Interdisciplinary Honors

- a. Apply via first-year, second-year or transfer admission
 - i. <https://honors.uw.edu/apply/>
- b. Complete Honors curriculum that overlaps with UW general education

2. Departmental Honors

- a. Apply through major
- b. Complete requirements through major coursework

3. College Honors

- a. Complete BOTH Interdisciplinary and Departmental Honors

HONORS ON THE DIPLOMA

Interdisciplinary Honors:

diploma says “[name of degree] with Interdisciplinary Honors”

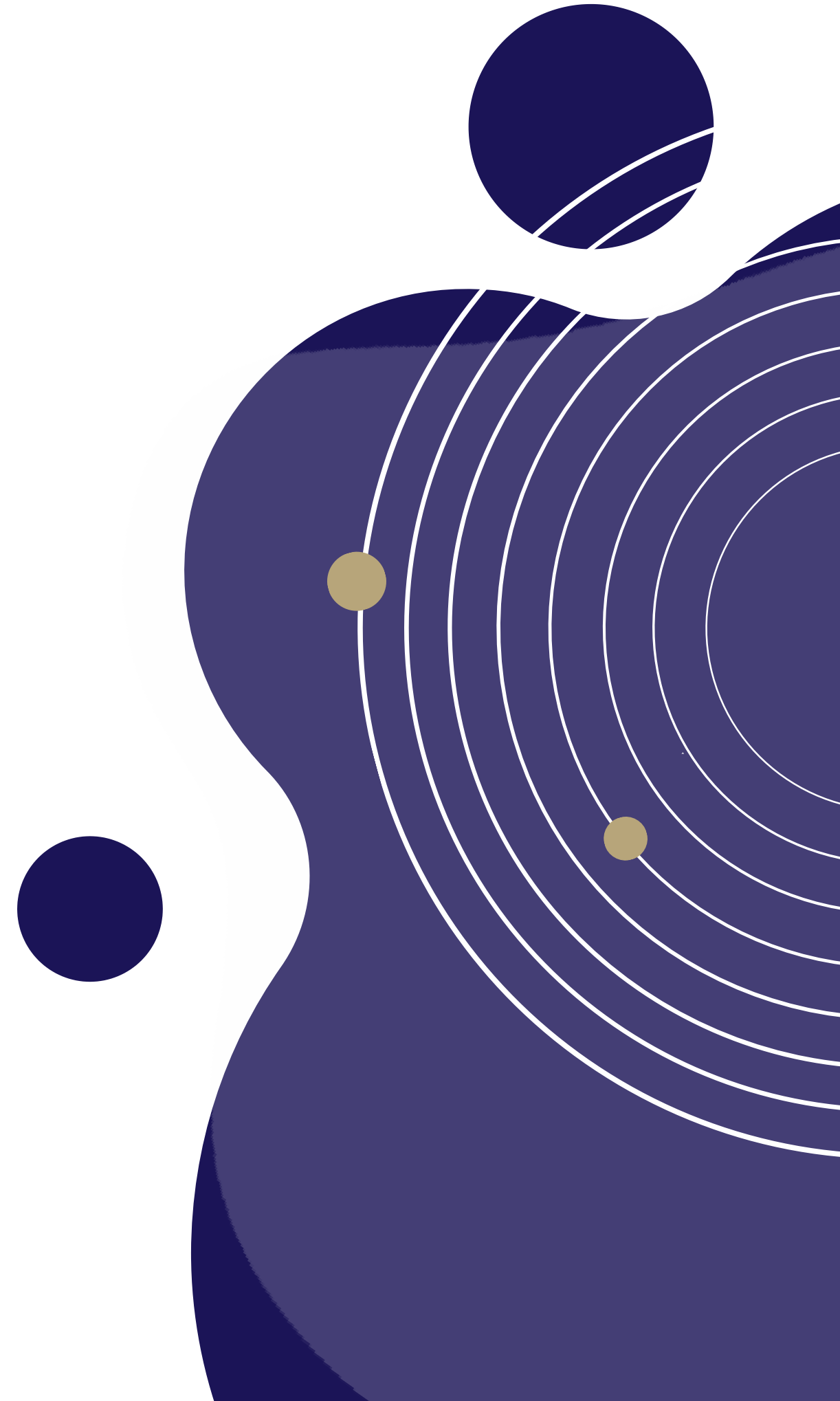
Departmental Honors:

diploma says “[name of degree] with Honors in [name of major]”

College Honors:

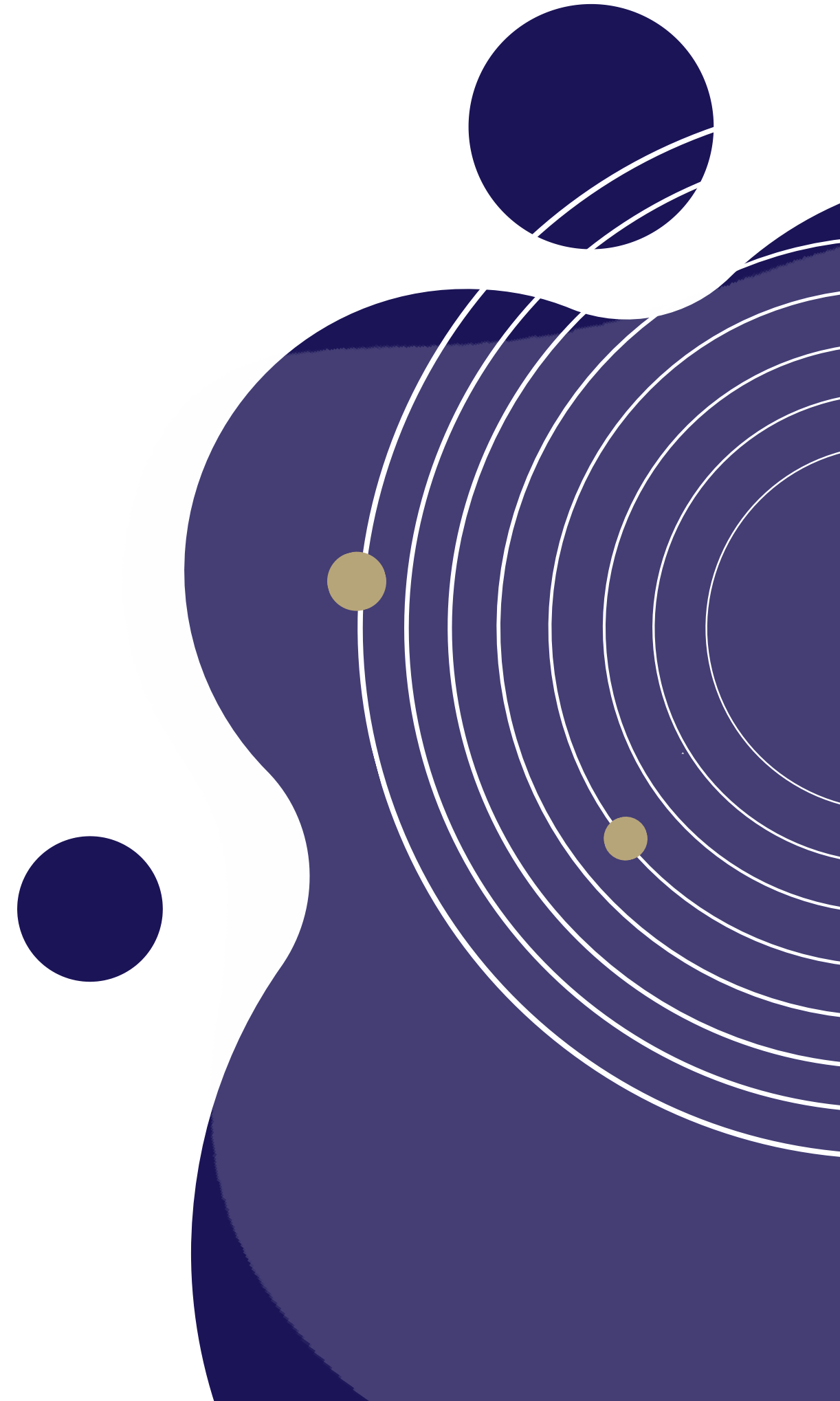
diploma says “[name of degree] with College Honors in [name of major]”


WHAT IS DEPARTMENTAL HONORS?



- Offers high-achieving students the ability to pursue a challenging course of study
- Provides an educational experience that facilitates long-term goals
- Allows students to explore the major in greater depth and with more personal ownership
- Requires students to work closely with faculty when completing honors requirements through major electives and research

WHY PURSUE DEPARTMENTAL HONORS?



- 
- **DISTINGUISH YOURSELF** through research in the department
 - **CHALLENGE YOURSELF** to dig deeper into the topics you find most compelling
 - **BUILD COMMUNITY** with faculty mentors and committed peers

- Eligible for unique scholarships through the University Honors Program
 - Applications for 2025 are due **April 8th at noon.**
 - Must be declared into departmental honors to be eligible to apply
 - Unique criteria for different scholarships
 - Contact uwhonors@uw.edu with questions about the scholarship application process
 - <https://honors.uw.edu/scholarships/current-scholarships/>



- Departmental Honors students are eligible to take UW Honors courses on a space available basis

- Participate in University Honors Program community events
 - <https://honors.uw.edu/community/>



HOW TO APPLY/ COMPLETE DEPARTMENTAL HONORS?

BSECE



BSEE



Complete at least 2 full-time quarters of coursework at the UW as an ECE student

Complete 3 out of 4 of the following courses:
EE 215, EE 242, EE 271, EE 280

Meet with an ECE advisor to declare Departmental Honors

HOW TO APPLY BSECE

REQUIREMENTS BSECE

Minimum 3.30
cumulative GPA

Minimum 3.50
departmental GPA

9 credits of Ad Hoc Honors EE
coursework at the 300 or 400
level, including at least 3
credits of EE 499 research (EE
499H)

BSECE

Minimum 3.50 departmental GPA



DEPARTMENTAL GPA CALCULATION



Cumulative GPA of all EE courses taken

MAJOR GPA CALCULATION

- Calculated based on these requirements:
1. Computer Programming (CSE 123 or CSE 143)
 2. ECE Core
 3. Advanced Technical Communication (EE 393)
 4. Advanced ECE Electives

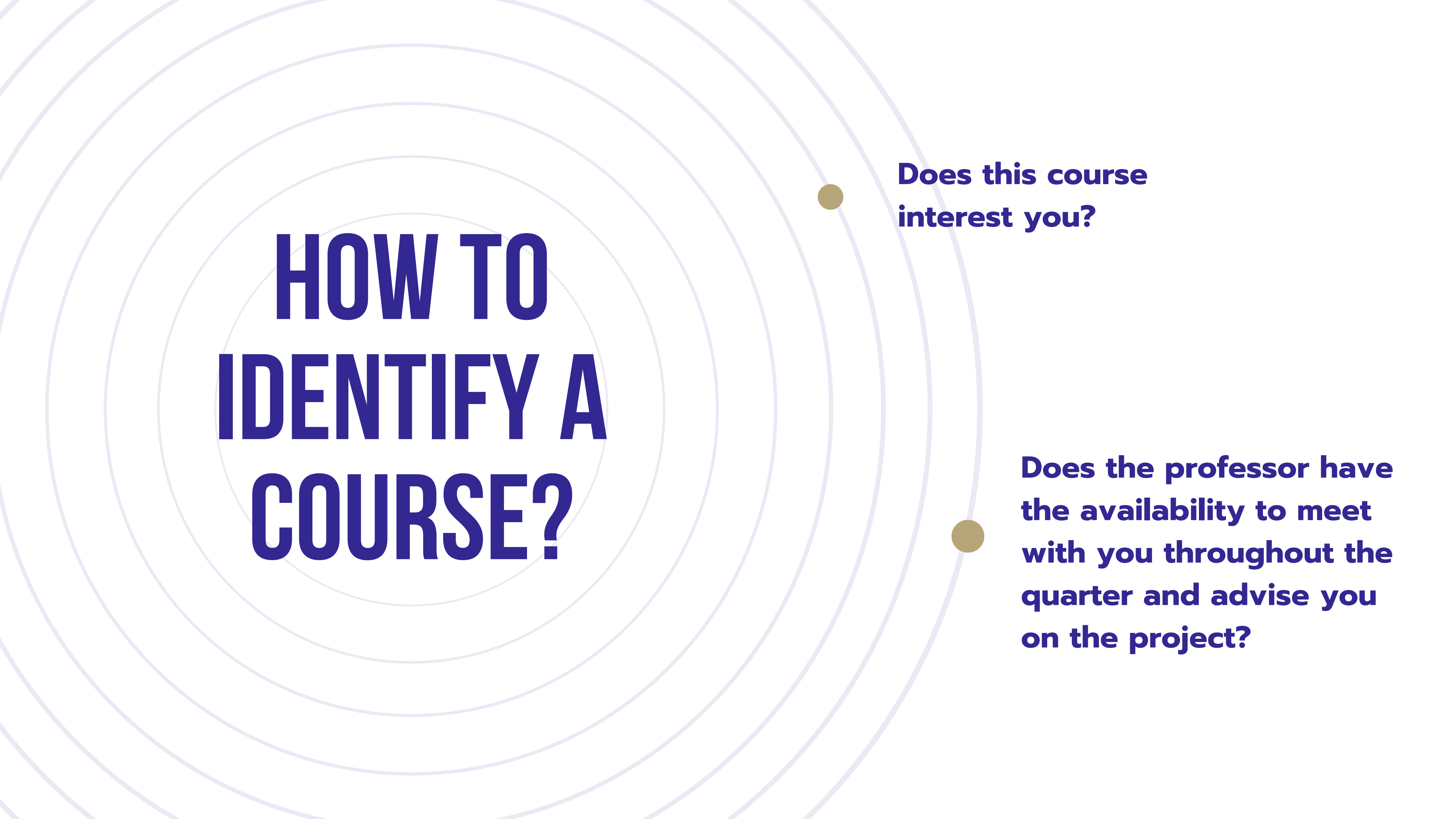
(find this toward the bottom of DARS)

AD HOC HONORS CREDIT

- Identify an EE class and develop an idea to elevate the course to the Honors level.
- Present your idea to the instructor. Seek out their guidance. See if they are open to working with you.
- If the instructor agrees, fill out the online ad hoc application form (important to be mindful of deadlines for this).
- Application gets sent to the instructor and academic advisor for approval.
- Ad hoc is a partnership between the instructor and student. Both must commit to extended effort and be available, aware, and engaged in the project.
- Upon completion of the project, the instructor will evaluate your work and provide final approval or denial for the Ad Hoc Honors notation.

- Examples of ad hoc projects include:
 - Doing extensive research on a particular topic covered in class and presenting this via:
 - Teaching that subject to the rest of the class
 - Writing a paper explaining your conclusions, overall experience and how you integrated that research with theory and analysis
 - Creating a video overview of the topic
 - Making a podcast of interviews and analysis related to a course theme
- Your project can be in any format, but must have some type of deliverable. Examples of deliverables include: videos, infographics, essays, research papers, apps, websites, podcasts, etc.
- Quality over quantity

*You may NOT try to use prior coursework to retroactively receive Ad Hoc Honors credit.
All Ad Hoc Honors credit must follow the Ad Hoc application process.*



HOW TO IDENTIFY A COURSE?

**Does this course
interest you?**

**Does the professor have
the availability to meet
with you throughout the
quarter and advise you
on the project?**

HOW TO CHOOSE A PROJECT?

**Choose a medium that
you enjoy**

**Choose a topic that
excites you and you are
curious about**

**Consider if there are
certain skills you want to
gain experience doing**

HOW TO ASK INSTRUCTOR?

● **Introduce yourself**

● **Provide an overview of departmental honors and ad hoc**

● **Share why you want to ad hoc this class and your ideas**

● **You are excited to take the course even if they can't work with you on ad hoc**

HONORS RESEARCH - EE 499H

- Research must be done with an ECE faculty member.
- EE 499H should reflect qualities of scholarly effort beyond the ordinary.

PROCESS:

1. Obtain an ECE faculty sponsor who will oversee your research.
2. Agree on the specific activities to be carried out, the expected outcomes and discuss how the work will be done at the honors level.
 - Examples of honors level research include:
 - Presenting your research at the Undergraduate Research Symposium or a conference
 - Participating in graduate level research
 - Contributing to the writing of a published research paper

3. Fill out the Undergraduate Research Approval Form, get faculty sponsor signature, and email the form to undergradece@uw.edu to get an entry code to register.

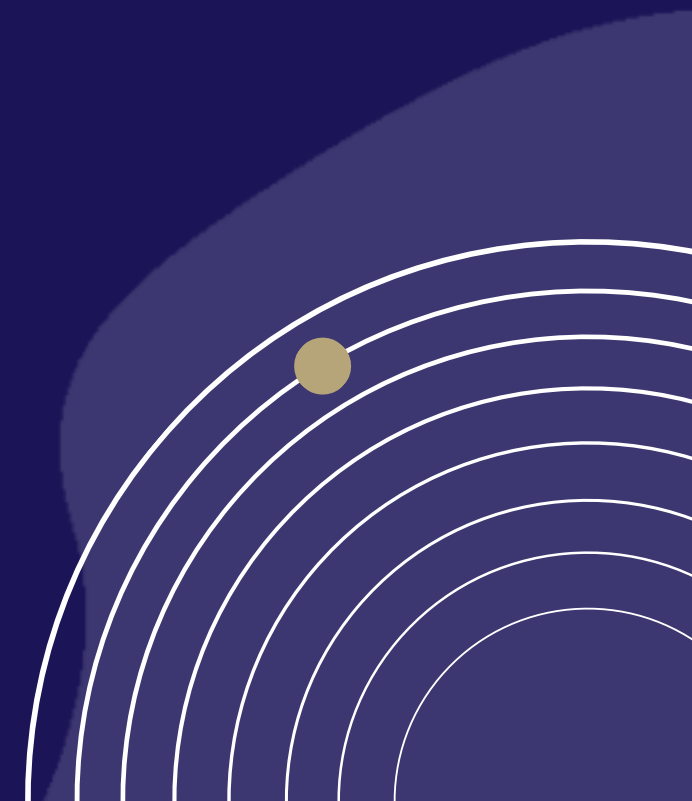
- Select EE 499H on the form

4. Prepare a written proposal that includes the project description, problem statement, suggested approach, resources required, anticipated results and describes how the work will be done at the honors level (turn in no later than the end of the first week of the quarter).

5. Before the end of the quarter, check in with your faculty sponsor to make sure they have the deliverables needed to assess the work done and provide a grade.

You may NOT try to use prior EE 499 credit to retroactively receive EE 499H credit. All EE 499H credits must follow the EE 499H registration process.

HOW TO FIND RESEARCH



Autumn 2023

Home

BSECE Orientation

Modules

Announcements

Assignments

Discussions

Namecoach

BSECE Student Advising Resources [▲]

W ELECTRICAL & COMPUTER ENGINEERING

UNIVERSITY *of* WASHINGTON

This online advising center is a complement to the advising available in-person in Paul Allen Center for all ECE Department students. The content is available 24/7, even when your advisers are sleeping!

[Orientation for New ECE Students - Click Here!](#)

Orientation is required for all new, incoming ECE students

Resources

[Undergraduate Research](#)

[Career Resources](#)

[Study Abroad](#)

[Finding Community](#)

[Academic Success](#)

[Getting Support](#)


[Registration and Courses](#)

[Academic Processes \(Petitions, Double Degrees, Graduation\)](#)

[Senior Year](#)



[Curriculum Changes](#)

 View Course Stream

 View Course Calendar

 View Course Notifications

To Do

 [\[IMPORTANT\] REGISTRATION GROUP INFO FOR EE AND ECE STUDENTS](#) 
BSECE Student Advising Resources
Jan 28 at 10:53am



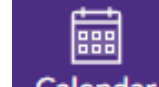
Account



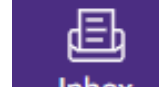
Dashboard



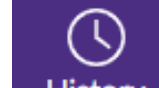
Courses



Calendar



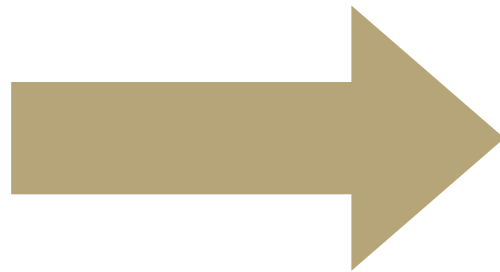
Inbox



History



Help





SCAN ME

Research

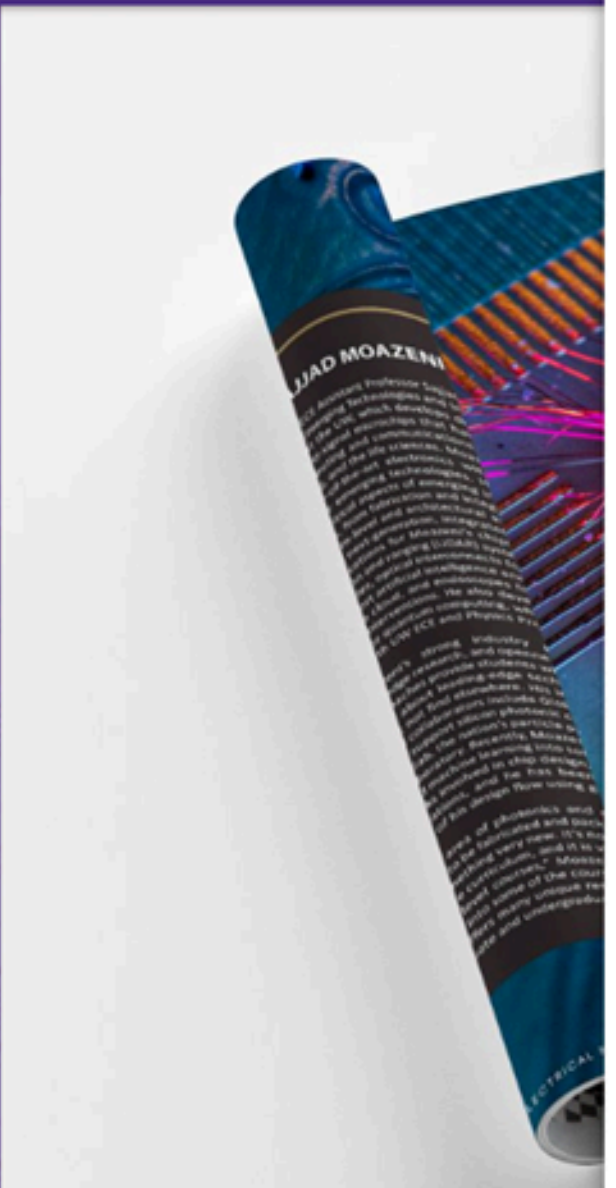
- Biosystems
- Computing and Networking
- Data Science
- Electronic, Photonic, and Integrated Quantum Systems (EPIQS)
- Power and Energy Systems
- Robotics and Controls

- Research Experience for Undergraduates
- CHIPS at UW ECE

The Integrator 2024–2025

Read the latest issue of The Integrator, UW ECE's flagship annual magazine highlighting the Department's extraordinary faculty and student research, achievements, alumni stories, special events and more from this past year!

LEARN MORE



Research Areas

- [Biosystems](#)
- [Computing and Networking](#)
- [Data Science](#)
- [Electronic, Photonic, and Integrated Quantum Systems \(EPIQS\)](#)
- [Power and Energy Systems](#)
- [Robotics and Controls](#)

Research Centers

- [UW Molecular Engineering Materials Center](#)
- [Center for Neurotechnology](#)
- [UW Biofabrication Center \(now a part of the Institute for Protein Design\)](#)
- [Center on Satellite Multimedia and Connected Vehicles](#)
- [ADVANCE Center for Institutional Change](#)
- [Center for Design of Analog-Digital Integrated Circuits](#)
- [Center for Synthetic Biology](#)
- [Institute for Nano-Engineered Systems](#)

Research Projects [View All](#)

- [14/16nm ASIC Design](#)
- [Heterogeneous Tiled Microprocessors](#)
- [Dark Silicon](#)
- [Bitcoin Mining](#)
- [Open Source Hardware](#)
- [ASIC Clouds](#)
- [Stroke neurorehabilitation using optogenetic stimulation in non-human primates](#)
- [Multi-modal large-scale optogenetic interface for non-human primates](#)

Research Labs [View All](#)

- [NERD LAB: NEURAL ENGINEERING AND REHABILITATION DESIGN](#)
- [AMP Lab](#)
- [Photonics Lab](#)
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Autumn 2023

All

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Student Support Resources

Last post at Jan 24, 8:48 AM

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Jobs & Internships

Last post at Jan 27, 1:34 PM

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Study Abroad

Last post at Jan 27, 1:47 PM

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Course Offerings

Last post at Jan 7, 10:32 AM

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Student Opportunities

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Scholarships & Fellowships

Last post at Jan 16, 8:58 AM

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Research Opportunities

Last post at Jan 15, 12:52 PM

17 22



Graduate School

Last post at Jan 24, 9:10 AM

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Subscribe to Research Opportunities



OTHER IDEAS/RESOURCES

- Talk with peers who have done research.
- Talk with your ECE faculty, especially faculty you have taken classes with and are interested in their area.
- UW Office of Undergraduate Research
<https://www.washington.edu/undergradresearch/>
 - Guidance on how to begin your research journey
 - Info on opportunities (database, unique programs, etc.)
 - Resources (conferences & publishing, research ethics, connecting with the undergraduate research community, FAQs, etc.)
 - Annual Undergraduate Research Symposium



CONSIDERATIONS



- There are very few students who do Departmental Honors. While the requirements might not seem extensive, it is a serious commitment and is challenging.
- You must be self-driven, motivated and show significant initiative.
- You are responsible for staying on top of deadlines, coming up with unique ideas, driving conversations with faculty, going above and beyond in research, etc.
- Students who decide to pursue Departmental Honors for the wrong reasons often end up not completing the requirements or don't get the most out of the experience.
- Think about the existing commitments you already have and if you have the time for Departmental Honors. Consider your goals. Will your other commitments be a better way for you to achieve your goals?
- Best to start early!

Email undergradece@uw.edu



Schedule an advising
appointment



Attend drop-in
advising



QUESTIONS?