

Quick Guide to CSE Undergraduate Research

Prof. Davis, davis.1719@osu.edu

Latest Revision: February 7, 2019

Engaging Faculty:

Please begin the process by completing and submitting an online Undergraduate Research application to seek out a relevant faculty advisor:

<https://cse.osu.edu/current-students/undergraduate-research>

You are able to choose up to 3 faculty members that best relate to your research interest. Your application will be sent automatically to your selected faculty. If there is interest and availability with any of the selected faculty, they will respond to engage you further. Please note that there is no guarantee that you will be able to work with any particular research advisor, and that faculty may have different needs and expectations for an undergraduate researcher.

For Research Distinction or Honor's Research Distinction (Research Thesis):

- Production of an undergraduate research thesis allows you to receive the designation of “*Graduation with Research Distinction*” [Research Distinction] or “*Graduation with Honors Research Distinction*” [Honor's Research Distinction] on your diploma.
 - Note: You must have a graduation semester GPA of 3.000 to 3.3999 for Research Distinction, or 3.4000-or-above for Honor's Research Distinction.
- Submit a research proposal to the College of Engineering (recommended at least 3 semesters prior to your graduation semester).
 - Proposal requirements and submission deadlines (3 opportunities per year): https://advising.engineering.osu.edu/sites/advising.engineering.osu.edu/files/uploads/Honors/Research/research_distinction_info_packet_9.pdf
- Students will be notified of approved/rejected proposals by the end of the semester the proposal is submitted.
 - Approved proposals may be awarded a monetary scholarship to the student (pending the review ranking and available funds).
- Begin taking CSE 4999 *Computer Science and Engineering Research for Thesis* [Research Distinction] or CSE 4999H *Computer Science and Engineering Research for Thesis* [Honor's Research Distinction]. Each advisor will have their own section of CSE 4999(H).
 - Minimum of 6 credits must be taken across multiple (at least 2) semesters. Currently, at most 2 of these credits can be used toward CSE Tech Electives.
 - Note that you can still enroll in CSE 4998 or CSE 4998H (non-thesis research) *prior* to submitting a proposal (including the semester you submit your proposal), which will count toward the required thesis credit count if your proposal is accepted.

- Select 1-2 additional faculty members (having graduate advising status) to serve on your committee.
- Give your written thesis to the committee to review at least 1 week before your Oral defense.
 - Undergraduate research thesis examples: <https://kb.osu.edu/handle/1811/147>
 - Example templates: <https://gradsch.osu.edu/completing-your-degree/dissertations-theses/document-preparation>
- Successfully complete your Oral defense in front of your committee (no later than 4 Fridays, preferably 5 Fridays, prior to the commencement date of your graduation semester).
 - An Oral defense is comprised of a 30-minute presentation followed by a 30-minute Q&A by the committee.
- Submit/Upload your final thesis to the *OSU Knowledge Bank* (no later than 4 Fridays prior to the commencement date of your graduation semester).
 - <https://library.osu.edu/kb/instructions/ugr-honors-theses>
- Present your work at an approved research forum.
 - Approved research forums: https://advising.engineering.osu.edu/sites/advising.engineering.osu.edu/files/uploads/Honors/Research/research_distinction_info_packet_9.pdf
 - It is also required that all undergrads enrolled in CSE 4999(H) each present a poster of their research at the annual CSE Student Research Poster Exhibition (typically in February). (Note: this can be used to satisfy the (Honor's) Research Distinction research forum presentation requirement.)
 - Notify the College Honor's Advising Office when your forum presentation is completed.
- A final *Record of Oral Defense* form is to be signed by the committee stating your Oral defense was satisfactory. A link to your thesis uploaded to the *OSU Knowledge Bank* also needs to be provided on this form.
 - https://advising.engineering.osu.edu/sites/advising.engineering.osu.edu/files/uploads/Honors/Research/research_distinction_info_packet_9.pdf

For Research Experience (No Research Thesis):

- To gain research experience without the thesis requirement.
 - No strict guidelines.
- Can register for CSE 4998 *Undergraduate Research in Computer Science and Engineering*.
 - Currently, at most 2 credits can be used toward CSE Tech Electives.
 - Available if research position is paid or unpaid.