

## RESEARCH FOR ACADEMIC CREDIT

	CHEG 366	CHEG 466	CHEG 473/474	UNIV 401/402
<b>CHEG Majors</b>	✓	X	✓	✓
<b>Grading</b>	P/F	Letter	Letter	Letter
<b>Credits</b>	Variable*	Variable*	Up to 6*	Up to 6*
<b>Fulfills major requirements?</b>	No	Maybe	Yes <sup>†</sup>	Yes <sup>†</sup>
<b>Timing</b>	Any semester	Any semester	Senior Year (Fall/Spring)	Senior Year (Fall/Spring)
<b>Prerequisites</b>	Supervisor approval, student-initiated <a href="#">webform</a>		Student registration, supervisor and instructor approval	<a href="#">Proposal</a> (3-5 pgs), supervisor and thesis committee approval

\*depends on time commitment – 3 credits/semester = ~ 10 h/week

<sup>†</sup>Fulfills CHEG elective and/or replaces CHEG 445 under certain conditions

**CHEG 366 – Independent Study for CHEG Majors.** CHEG majors may earn 366 credit for research to document the experience on their transcript or maintain full-time enrollment. Prior approval from a research supervisor is required, along with a [webform](#) contract outlining goals and expectations. This course is graded Pass/Fail only and does **not** count toward GPA or CHEG degree requirements.

**CHEG 466 – Independent Study for non-CHEG Majors.** Non-CHEG majors may earn 466 credits with CHEG faculty. With departmental approval, this course may fulfill degree requirements in non-CHEG majors (e.g., technical electives). A [webform](#) contract and supervisor approval are required. The course is graded with a letter grade.

**UNIV 401/402 – Senior Thesis I/II.** Required for students seeking a *Degree with Distinction*. Research is conducted during the senior year (fall and spring), culminating in a formal written thesis and defense. Students must [apply](#) through the Undergraduate Research Program by the end of junior year to enroll. Completion of either or both courses fulfills CHEG degree requirements. The course is graded with a letter grade.

**CHEG 473/474 – Chemical Engineering Projects I/II.** These senior-year research courses span the fall (CHEG 473) and spring (CHEG 474) semesters. Students conduct research in CHEG or other approved departments and submit monthly progress reports and a final presentation or report each term. Progress in CHEG 473 determines eligibility for CHEG 474. Completion of either or both courses fulfills CHEG degree requirements. The course is graded with a letter grade.

To enroll, students must have a one-page proposal approved by both the research supervisor and the course instructor. This proposal is typically due by the end of the first week of the semester and must include:

1. Project title
2. Research advisor name
3. Objectives
4. Research tasks
5. Success metrics

### Using UNIV 401/402 or CHEG 473/474 for CHEG Degree Requirements

By default, CHEG 473/474 and UNIV 401/402 count as CHEG technical electives. Students may **substitute** CHEG 445 (*Chemical Engineering Lab II*) with CHEG 473 or UNIV 401 if all the following are met:

- A grade of B or better is earned in CHEG 345
- A grade of C or better is earned in CHEG 473 **and** 474 or UNIV 401 **and** 402

CHEG 473/UNIV 401 will **not** count as a CHEG elective if approved to replace CHEG 445. Only six research credits can be used toward degree requirements.