

Fourth year

| First Semester | Hrs. | Second Semester | Hrs. |
|-------------------------|-----------|--------------------------|-------------------|
| CHEM 401 | 1 | CHEM 403 | 1 |
| CHEM 313 | 1 | CHEM 423 | 2 |
| CHEM 422 | 3 | CHEM Elective | 3 |
| CHEM 349 | 2 | General Electives | 8 (or 7) |
| CHEM Elective | 3 | GEC Elective | 3 |
| General Electives | 6 | Total | 17 (or 16) |
| Total | 16 | Total Hours | 128 |

Communication Studies

Matthew M. Martin, Chair

Andrea Weber, Undergraduate Coordinator

Degree Offered

Bachelor of Arts

Nature of Program

The Department of Communication Studies offers a curriculum to meet the needs of liberal arts and pre-professional students oriented toward communication-related careers. The undergraduate curriculum focuses upon the application of theory and research in human communication to a variety of personal, social, and organizational settings. Majors may elect to follow either a data analysis specialty or an applied communication emphasis. All majors complete a capstone sequence that consists of two courses intended to integrate academic coursework and apply course material to real-world experience.

Data Analysis Specialty

This curriculum is designed for students who desire a broad, liberal-arts emphasis or who plan to enter graduate study in communication. Special emphasis is given to the design, collection, and analysis of human communication data. In addition, students acquire background in interpersonal, nonverbal, organizational, and mass communication.

Admission Requirements To be admitted to the major, students must have a cumulative grade point average (GPA) of 3.0; a cumulative 3.0 GPA in all Communication Studies classes; of have completed COMM 200 and 201 with a combined GPA of 3.0; and have completed at least 30 hours of coursework.

The data analysis specialty area of emphasis requires 128 hours, of which students must complete a minimum of 36 hours in communication studies that includes COMM 200, 201, 401, 403, and 491. While students may take over three credits of COMM 491 *Field Experience*, only three credits of 491 will count toward the necessary 36. All students must complete a minimum of 30 hours of credit, 21 of which must be in communication studies, following the semester in which they were admitted to this program. Students must also complete 21 hours of coursework outside of the department. Within these 21 hours, students must complete CS 101, STAT 211 or ECON 225, MATH 126, and PSYC 202. Additional decisions involving elective coursework to fulfill this 21 hour requirement will be made in consultation with a communication studies advisor.

Applied Communication Studies

This curriculum is designed for students who plan careers in business or government organizations. Along with a core of general communication coursework, it allows students to design a plan of study that will meet their varying interests and career goals.

Admission Requirements To be admitted to the major, students must have a cumulative grade point average (GPA) of 2.5; a cumulative GPA in all communication studies classes of 2.5; have completed COMM 200 and 201 with a combined GPA of 2.5; and have completed at least 30 hours of coursework.

The applied communication studies area of emphasis requires 128 hours, of which students must complete a minimum of 36 hours in communication studies that includes COMM 200, 201, 403, and 491. While students may take over three credits of COMM 491

Field Experience, only three credits of 491 will count toward the necessary 36. Students must complete 15 hours from the following: COMM 105, 202, 306, 307, 308, 309, 316, 317, 404, 405, 406, and 408. An additional three hours are selected from the following: COMM 212, 303, 304, 305, and 314. All students must complete a minimum of 30 hours of credit, 21 of which must be in communication studies, following the semester in which they were admitted to this program. Students must also complete 21 hours of coursework outside of the department. Within these 21 hours, students must complete CS 101 and STAT 111. The department recommends that STAT 111 be taken prior to COMM 201. Additional decisions involving elective coursework to fulfill this 21-hour requirement will be made in consultation with a communication studies advisor.

Graduation

Students must maintain a cumulative GPA of 2.5 in all courses in the department to be certified for graduation with a major in communication studies. Courses in communication studies that the student wishes to count toward the major must be completed with a grade of C or better. The minimum requirement for a major in communication studies is 36 hours. A maximum of 42 hours in communication studies may be counted toward graduation.

Advisement

Before or during the second semester of the freshman year, students interested in pursuing a major in communication studies should consult with a department advisor.

Minor in Communication Studies

Students may elect to complete a 15-credit-hour minor in the field of communication studies. This minor is designed to provide a broad overview of the field. Requirements are: (a) COMM 100 + 102, or 100 + 104, or 112, or 122 or 303 (three hours); (b) COMM 105 and 306 and 308 (nine hours); (c) COMM 305 or 309 or 316 (three hours). A GPA of 2.0 in courses counted toward the minor is required.

Computer Science

Brian D. Woerner, Chair

John M. Atkins, Associate Chair for Academic Affairs

Degree Offered

Bachelor of Science

Curriculum in Computer Science

Degrees Offered

Bachelor of Science In Computer Science (College of Engineering and Mineral Resources)

Bachelor of Science In Computer Science (Eberly College of Arts and Sciences)

Computer science is a discipline that involves the understanding and design of computational processes. The discipline ranges from a theoretical study of algorithms and information processing in general, to a practical design of efficient and reliable software that meets given specifications. This differs from most physical sciences, engineering included, that separate theoretical underpinnings of the science from applications within it.

Partly because of the dual nature of computer science, and partly because students need flexibility in choosing a plan that best fits their needs, the department offers two B.S. degree programs: one degree conferred by the College of Engineering and Mineral Resources (CEMR), the other by the Eberly College of Arts and Science (ECAS).