

# SCIENCES (SCI)

## Sciences (SCI) Courses

### SCI 1100. COS Signature Experience - Professional Development. (0-0) 0 Credit Hours.

Prerequisite: Co-enrollment in a linked professional development course or consent of the department chair. Participation in semester-long professional development aimed at enhancing student's academic training, career readiness, and marketability. May be repeated.

### SCI 1200. COS Signature Experience - Internship. (0-0) 0 Credit Hours.

Prerequisite: Co-enrollment in a linked internship course or consent of the department chair. The opportunity for semester-long work experience in a private business or public agency related to the student's field of study. May be repeated.

### SCI 1300. COS Signature Experience - Research. (0-0) 0 Credit Hours.

Prerequisite: Co-enrollment in a linked departmental-directed research or undergraduate thesis course or consent of the department chair. Supervised laboratory research mentored by a faculty member engaged in active research within the student's designated area of concentration. Students may produce a thesis in addition to active research. May be repeated.

### SCI 1400. COS Signature Experience - Study Abroad. (0-0) 0 Credit Hours.

Prerequisite: Co-enrollment in a linked study abroad course or consent of the department chair. An international experiential opportunity that allows students to obtain valuable knowledge relevant to their field of study. May be repeated.

### SCI 1500. COS Signature Experience - Community Outreach. (0-0) 0 Credit Hours.

Prerequisite: Co-enrollment in a linked community outreach course or consent of the department chair. A community service opportunity in which students actively engage in the local and greater university community to promote STEM and create more STEM experiences for a broader population. May be repeated.

### SCI 4100. COS Signature Experience - Professional Development. (0-0) 0 Credit Hours.

Prerequisite: Co-enrollment in a linked professional development course or consent of the department chair. Participation in semester-long professional development aimed at enhancing students' academic training, career readiness, and marketability. May be repeated.

### SCI 4200. COS Signature Experience - Internship. (0-0) 0 Credit Hours.

Prerequisite: Co-enrollment in a linked internship course or consent of the department chair. The opportunity for semester-long work experience in a private business or public agency related to the student's field of study. May be repeated.

### SCI 4300. COS Signature Experience - Research. (0-0) 0 Credit Hours.

Prerequisite: Co-enrollment in a linked departmental-directed research or undergraduate thesis course or consent of the department chair. Supervised laboratory research mentored by a faculty member engaged in active research within the student's designated area of concentration. Students may produce a thesis in addition to active research. May be repeated.

### SCI 4400. COS Signature Experience - Study Abroad. (0-0) 0 Credit Hours.

Prerequisite: Co-enrollment in a linked study abroad course or consent of the department chair. An international experiential opportunity that allows students to obtain valuable knowledge relevant to their field of study. May be repeated.

### SCI 4500. COS Signature Experience - Community Outreach. (0-0) 0 Credit Hours.

Prerequisite: Co-enrollment in a linked community outreach course or consent of the department chair. A community service opportunity in which students are actively engaged in the local and greater university community to promote STEM and create more STEM experiences for a broader population. May be repeated.

### SCI 4600. Undergraduate Thesis. (0-0) 0 Credit Hours.

Prerequisite: Department Chair and College of Sciences approval. The student learns how to conduct independent research. The student selects a thesis topic, conducts a literature review, plans and executes a research project, gathers and analyzes data, writes an academic manuscript, and disseminates the research results in an academic setting. Faculty sponsorship of the thesis is required, and a faculty member should agree to sponsor the student before the thesis project begins.

### SCI 4911. Independent Study. (0-0) 1 Credit Hour.

Prerequisite: Approval from the instructor, the Department Chair, and the Associate Dean of Undergraduate Studies in the College for which this course is offered; form available on UTSA OneStop website. Independent reading, research, discussion, and/or writing under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours, regardless of discipline, will apply to a bachelor's degree. Students completing an independent study under the SCI subject code need prior approval from their major's Department Chair to count it towards their degree. Generally Offered: Fall, Spring, Summer. This course has Differential Tuition.

### SCI 4912. Independent Study. (0-0) 2 Credit Hours.

Prerequisite: Approval from the instructor, the Department Chair, and the Associate Dean of Undergraduate Studies in the College for which this course is offered; form available on UTSA OneStop website. Independent reading, research, discussion, and/or writing under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours, regardless of discipline, will apply to a bachelor's degree. Students completing an independent study under the SCI subject code need prior approval from their major's Department Chair to count it towards their degree. Generally Offered: Fall, Spring, Summer. This course has Differential Tuition.

### SCI 4913. Independent Study. (0-0) 3 Credit Hours.

Prerequisite: Approval from the instructor, the Department Chair, and the Associate Dean of Undergraduate Studies in the College for which this course is offered; form available on UTSA OneStop website. Independent reading, research, discussion, and/or writing under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours, regardless of discipline, will apply to a bachelor's degree. Students completing an independent study under the SCI subject code need prior approval from their major's Department Chair to count it towards their degree. Generally Offered: Fall, Spring, Summer. This course has Differential Tuition.

**SCI 4933. Internship. (0-0) 3 Credit Hours.**

Prerequisite: Junior or Seniors in Academic Good Standing and approval from the employer, the instructor, the Department Chair, and the Associate Dean for Undergraduate Studies; form available on the College of Sciences website. The opportunity for a semester-long work experience in a private business or public agency in a position related to the student's field of study. Students completing an internship for academic credit under the SCI subject code need prior approval from their major's Department Chair to count it towards their degree. Generally offered: Fall, Spring, Summer. This course has Differential Tuition.

**SCI 4991. Directed Research. (0-0) 1 Credit Hour.**

Prerequisite: Approval from the instructor, the Department Chair, and the Associate Dean of Undergraduate Studies in the College for which this course is offered; form available on the College of Sciences website. Supervised research mentored by a faculty member engaged in active research within the student's designated area of concentration. Students may produce a thesis in addition to active research. May be repeated. This course can also be used for students pursuing the COS Undergraduate Thesis Option. Students completing directed research under the SCI subject code need prior approval from their major's Department Chair to count it towards their degree. This course has Differential Tuition.

**SCI 4992. Directed Research. (0-0) 2 Credit Hours.**

Prerequisite: Approval from the instructor, the Department Chair, and the Associate Dean of Undergraduate Studies in the College for which this course is offered; form available on the College of Sciences website. Supervised research mentored by a faculty member engaged in active research within the student's designated area of concentration. Students may produce a thesis in addition to active research. May be repeated. This course can also be used for students pursuing the COS Undergraduate Thesis Option. Students completing directed research under the SCI subject code need prior approval from their major's Department Chair to count it towards their degree. This course has Differential Tuition.

**SCI 4993. Directed Research. (0-0) 3 Credit Hours.**

Prerequisite: Approval from the instructor, the Department Chair, and the Associate Dean of Undergraduate Studies in the College for which this course is offered; form available on the College of Sciences website. Supervised research mentored by a faculty member engaged in active research within the student's designated area of concentration. Students may produce a thesis in addition to active research. May be repeated. This course can also be used for students pursuing the COS Undergraduate Thesis Option. Students completing directed research under the SCI subject code need prior approval from their major's Department Chair to count it towards their degree. This course has Differential Tuition.