

**Course discipline/number/title: CHEM 2297: Chemistry Research****A. CATALOG DESCRIPTION**

1. **Credits:** 1
2. **Hours/Week:** 3
3. **Prerequisites (Course discipline/number):** CHEM 1127
4. **Other requirements:** CHEM 1127 can be taken concurrently
5. **MnTC Goals (if any):** NA

**B. COURSE DESCRIPTION:** This course is designed to give students a hands-on introduction to Chemistry research. Students will conduct independent research under the close supervision of a faculty advisor. The type of research will be determined by the faculty advisor and student. This course can be repeated up to four times with the project changing or expanding in complexity each semester.

**C. DATE LAST REVISED (Month, year):** February, 2024

**D. OUTLINE OF MAJOR CONTENT AREAS:**

1. Content will be consistent with the research agreed upon by the student and instructor.

**E. LEARNING OUTCOMES (GENERAL):** The student will be able to:

1. Read and summarize primary literature.
2. Work competently as an independent researcher.
3. Write clear and concise updates of work.
4. Present completed projects in paper and/or poster form.

**F. LEARNING OUTCOMES (MNTC):** NA**G. METHODS FOR EVALUATION OF STUDENT LEARNING:** Methods may include but are not limited to:

1. Short and long papers.
2. Outside evaluation of poster or presentation.

**H. RCTC CORE OUTCOME(S).** This course contributes to meeting the following RCTC Core Outcome(s):  
**Communication.** Students will communicate appropriately for their respective audiences.

**Personal and Professional Accountability.** Students will take responsibility as active learners for achieving their educational and personal goals.

**I. SPECIAL INFORMATION (if any):** None