



## Department of Chemistry

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TENNESSEE TECH

### Summer 2023 Undergraduate Research Experience

As a result of Dr. Carrick receiving a 2022 *Henry Dreyfus-Teacher Scholar Award* ([www.dreyfus.org](http://www.dreyfus.org)), dedicated resources exist to support one TN Tech undergraduate student to work on the total synthesis of the terrestrial natural product, hamigeromycin B-a target of chemotherapeutic interest summer '23.

**Who:** **Chemistry, Biochemistry, Chemical Engineering, or Biology majors** who will have completed CHEM 3020 at the end of the spring '23 term with a science GPA at, or above 3.00 meet the minimum requirements

**When:** May 22-August 11, 2023 (M-F)

**What:** \$5,000 stipend to support full time research. Funds for supplies and associated travel to disseminate research results will also be provided.

**Deadline:** Interested applicants should submit the following documents to Dr. Carrick by email: [jcarrick@tnitech.edu](mailto:jcarrick@tnitech.edu) as a single PDF on/before **March 10, 2023**: 1) Letter of interest describing academic record, career goals, and desire to further professional research experience, and 2) Current resume highlighting work and academic experience. Applicants selected for in person interviews will be notified by April 5, 2023.

Questions regarding the opportunity, or process should be directed to Dr. Carrick. More information can be found on the webpage for the Carrick lab: [Chemistry - Carrick Research Group \(tnitech.edu\)](http://Chemistry-CarrickResearchGroup.tnitech.edu).

Involvement in undergraduate research enhances, and reinforces, concepts learned in the classroom and assists in developing marketable skills and expertise for graduate/professional school study, or entry into the workforce. Contemporary research is highly interdisciplinary and the fundamental skills acquired are transferable across many areas of chemistry, chemical engineering, and science in general.

Many students who have trained in the Carrick group have made significant project contributions to and been co-authors on peer-reviewed journal articles describing research from the group, presented research results from CT to WA, CA to TX, and won numerous awards/scholarships.

The opportunity to discover new science, work on problems for which an answer has yet to be defined, in addition to utilizing state of the art instrumentation not currently introduced in the teaching labs, in the new laboratory science commons are just a few of the many benefits.