

Departmental Faculty:

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Departmental strengths:

Hands-on access to excellent Instrumentation: Thermo Scientific GC/MS, Thermo Scientific ATR-FTIR, Agilent Technologies MP-AES, Shimadzu HPLC, Cary Eclipse spectrofluorometer, many uv-vis spectrophotometers.

Local Internships: Fleet Laboratories (analytical and in research and development), KDC/One, BWXT radiochemistry, etc.

Professional/Grad schools: Chemistry is an excellent choice for those who want to pursue their graduate education in health-related fields, especially pharmacy and forensic science. We have an excellent track record for placement into professional and or graduate school programs. Students have earned these graduate degrees: PhD, PharmD, DVM, MD, DO, MS forensic chemistry and toxicology, MS environmental engineering.

Student-Faculty Collaborative research: All chemistry faculty are research active. Examples of the most recent projects are as follows: Multi-elemental analysis of wild edible mushrooms using MP/AES, Elemental analysis of legacy sediments in College Lake, Mobilization of calcium across mineralized tissues in yellow perch, Derivatization and analysis of volatile pheromones in Dolomedes trion via GC/MS, Analysis of iron in beer using a cloud-point extraction pre-concentration technique, The relationship between insect visitors and chemical fragrance composition in two *Cypripedium parviflorum* var. *pubescens* populations, Abiotic stress and anthocyanins biosynthesis in *Arabidopsis thaliana*.

Small upper-level class size: A small class translates to faculty who know you well and can help maximize your learning opportunities.

Specialized upper-level courses: fermentation chemistry, environmental chemistry, biochemistry, surface chemistry