The Professional Science Master’s program in Chemistry has the objective of advancing technical skills, industry-guided knowledge and business management. The program prepares students for career opportunities in businesses utilizing chemical and/or biochemical processes and instrumentation.

**Additional Admission Requirements**
- An undergraduate degree in science
- At least one year of physical chemistry and calculus courses consisting of differential and integral equations.
- Two of the three letters of recommendation should be from former science or math professors.

**Program Outcomes:**
- Communication: M.S. candidates will demonstrate the ability to comprehend, apply and evaluate information from chemistry literature which is to be orally presented and validated in a seminar.
- Applied Chemistry Knowledge: M.S. candidates will demonstrate chemistry proficiency in the sub-disciplines of chemistry: analytical, inorganic, organic, biochemistry and physical as it pertains to real life applications and product development
- Research Training and Ethics: M.S. candidates will acquire the basic tools needed to carry out independent chemical research. Students should become proficient in their specialized area of chemistry and successfully complete a written graduate level research project designed to address industrial and other collaborative needs.

**Degree Requirements**
Total credit hours: 33

**Core courses:** 13 credit hours
- CHEM 792, 711, 722, 732, 743

**Internship/project**
- Take 5 credit hours: CHEM 770

**Disciplinary Electives**
- Take 6 credit hours from: BIOL 600-799, CHEM 600-799, CHEN 600-799, MATH 600-799, PHYS 600-799

**Business/Management Electives**
- Take 9 credit hours from: ACCT 708, 714; ECON 706; MGMT 705, 712, 718