

# MASTER OF CHEMISTRY

A minimum of 32 credit hours is required for the Master of Chemistry degree. A minimum of 20 credit hours of 500-level coursework is required with 15 credit hours required from the chemistry disciplines. A maximum of 12 credit hours of 400-level coursework may be used to fulfill graduate study requirements. Students seeking the Master of Chemistry degree must pass a written or oral comprehensive examination.

The Master of Chemistry is tailored to fit the student's background and goals and is subject to approval at the time of filing the Plan of Study, when 9 credit hours are earned or in-progress.

## Curriculum

<b>Required Courses</b>		(27-28)
CHEM 526	Graduate Chemistry Laboratory	3
CHEM 534	Advanced Spectroscopic Methods	4
CHEM 584	Graduate Seminar in Chemistry	1
CHEM 585	Chemistry Colloquium	1
CHEM 585	Chemistry Colloquium	1
Select a minimum of four core courses from the following:		12
BIOL 504	Biochemistry	3
CHEM 455	Advanced Organic Chemistry	3
CHEM 503	Survey of Analytical Chemistry	3
CHEM 520	Advanced Inorganic Chemistry	3
CHEM 535	Polymer Synthesis	3
CHEM 550	Chemical Bonding	3
Select a minimum of two professional development courses from the following:		5-6
CHEM 524	Synthesis and Intellectual Property Management	2
INTM 511	Industrial Leadership	3
SCI 511	Project Management	3
SCI 522	Public Engagement for Scientists	3
<b>Elective Courses</b>		(4-5)
Select 4-5 credit hours in consultation with adviser		4-5

**Minimum degree credits required: 32**