

MASTER OF SCIENCE IN ANALYTICAL CHEMISTRY

Curriculum

Code	Title	Credit Hours
Required Courses		(21)
CHEM 500	Advanced Analytical Chemistry	3
CHEM 501	Capstone Project	2
CHEM 505	Spectroscopic Methods I	3
CHEM 508	Analytical Methods Development	2
CHEM 509	Physical Methods of Characterization	3
CHEM 512	Spectroscopic Methods II	2
CHEM 515	Gas Chromatography -- Theory and Practice	3
CHEM 516	Liquid Chromatography -- Theory and Practice	3
Elective Courses		(11)
Select a minimum of 11 credit hours from the following:		11
CHEM 542	Polymer Characterization and Analysis	3
CHEM 543	Analytical Chemistry in Pharmaceutical Laboratories	2
CHEM 544	Colloids and Colloid Analysis	2
CHEM 700	Practical Laboratory for Analytical Chemistry	2
INTM 511	Industrial Leadership	3
MATH 525	Statistical Models and Methods	3
SCI 511	Project Management	3
SCI 522	Public Engagement for Scientists	3
Total Credit Hours		32