

# CERTIFICATE IN ANALYTICAL SPECTROSCOPY

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## Curriculum

Code	Title	Credit Hours
<b>Required courses</b>		
		<b>(9-11)</b>
CHEM 505	Spectroscopic Methods I	3
CHEM 512	Spectroscopic Methods II	2
Select a minimum of two courses from the following electives:		4-6
CHEM 500	Advanced Analytical Chemistry	3
CHEM 508	Analytical Methods Development	2
CHEM 509	Physical Methods of Characterization	3
CHEM 515	Gas Chromatography – Theory and Practice	3
CHEM 516	Liquid Chromatography – Theory and Practice	3
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
MATH 525	Statistical Models and Methods	3
<b>Total Credit Hours</b>		<b>9-11</b>