

MUNI UNIVERSITY
Master of Science in Chemistry
Program Structure

Year One | Semester One

Course Code	Course Name	Status	LH	PH	TH	CH	CU
MCH 1101	Advanced Research in Chemistry	Core	30	30	30	60	04
MCH 1102	Advanced Physical Chemistry	Core	30	30	30	60	04
MCH 1103	Advanced Materials Chemistry	Core	30	30	30	60	04
MCH 1104	Advanced Instrumental Chemical Analysis	Core	30	30	30	60	04
MCH 1105	Advanced Environmental Chemistry	Core	30	30	30	60	04
MCH 1106	Spectroscopic Identification of Organic Compounds	Core	15	30	30	45	03
Total							23

Year One | Semester Two

Course Code	Course name	Status	LH	PH	TH	CH	CU
MCH 1201	Scientific Writing, Planning and Presentation	Core	30	30	30	60	04
MCH 1202	Characterization of Materials	Core	30	30	30	60	04
MCH 1203	Advanced Inorganic Chemistry	Core	30	30	30	60	04
MCH 1204	Advanced Organic Chemistry	Core	30	30	30	60	04
ELECTIVES (Physical Chemistry track), select two.							
MCH 1205	Chemical Kinetics	Elective	15	30	30	45	03
MCH 1206	Electrochemical Corrosion	Elective	15	30	30	45	03
ELECTIVES (Inorganic Chemistry track), select two.							
MCH 1207	Advanced Chemistry of Coordination Compounds	Elective	15	30	30	45	03
MCH 1208	Organometallic Chemistry	Elective	15	30	30	45	03
ELECTIVES (Organic Chemistry track), select two.							
MCH 1209	Synthetic Organic Chemistry	Elective	15	30	30	45	03
MCH 1210	Advanced Natural Products Chemistry	Elective	15	30	30	45	03
ELECTIVES (Analytical/Environmental Chemistry track), select two.							
MCH 1211	Separation Methods	Elective	15	30	30	45	03
MCH 1212	Chemometrics	Elective	15	30	30	45	03
CORE COURSE							
MCH 1213	Graduate Seminar I	Core	30	-	30	45	03
Total							25

Year One | Recess Term

Code	Course name	Status	LH	PH	TH	CH	CU
MCH 1301	Practicum and Field Attachment	Core	-	150	-	75	5
Total			-	150	-	75	05

Year Two | Semester One

Code	Course name	Status	LH	PH	TH	CH	CU
MCH 2102	Research and Grant Proposal Writing	Core	-	150	-	75	05
Total							05

Year Two | Semester Two

Code	Course name	Status	LH	PH	TH	CH	CU
MCH2201	Graduate Seminar II	Core	30	-	30	45	03
MCH2202	MSc. Dissertation (Publication & Viva Voce)	Core	-	150	-	75	05
Total							08

KEY:

LH=Lecture Hours, **PH**= Practical Hours, **CH**=Credit Hours, **TH**=Teaching Hours, **CU**= Credit Units, 1 CH = 1 LH = 2 PH = 2 TH