

# CHEMISTRY MINOR COURSE OUTLINE

*(minimum of 15 credits)*

## TRACK 1

### General Chemistry

<b>FALL (credits)</b>	<b>SPRING (credits)</b>
CHEM 125 – General Chemistry I (3) CHEM 135 – General Chemistry Lab I (1)	CHEM 126 – General Chemistry II (3) CHEM 136 – General Chemistry Lab II (1)

### Organic Chemistry

CHEM 245 – Organic Chemistry I (3) CHEM 251 – Organic Laboratory Techniques I (1)	OR	CHEM 245 – Organic Chemistry I (3) CHEM 251 – Organic Laboratory Techniques I (1)
CHEM 246 – Organic Chemistry II (3) CHEM 252 – Organic Laboratory Techniques II (1)	OR	CHEM 246 – Organic Chemistry II (3) CHEM 252 – Organic Laboratory Techniques II (1)

**and at least one of the following**

CHEM 310 – Quantitative Analysis and Chemical Equilibrium (4)		
CHEM 345 – Physical Chemistry I (4)	CHEM 346 – Physical Chemistry II (4)	
CHEM 388 – Environmental Chemistry and Engineering (4)		
BBMB 325 – Biochemistry (3) (note BIOL 111 is a pre-requisite)	OR	BBMB 325 – Biochemistry (3) (note BIOL 111 is a pre-requisite)
OR		
Any 300-400 credit chemistry course except Chemistry Seminar (CHEM 401 or 402) may be substituted for 300-level credit.		

**OR**

# CHEMISTRY MINOR COURSE OUTLINE

## TRACK 2

### General Chemistry

<b>FALL (credits)</b>	<b>SPRING (credits)</b>
CHEM 140 – Advanced General Chemistry (includes lab) (4)	

### Organic Chemistry

CHEM 245 – Organic Chemistry I (3) CHEM 251 – Organic Laboratory Techniques I (1)	OR	CHEM 245 – Organic Chemistry I (3) CHEM 251 – Organic Laboratory Techniques I (1)
CHEM 246 – Organic Chemistry II (3) CHEM 252 – Organic Laboratory Techniques II (1)	OR	CHEM 246 – Organic Chemistry II (3) CHEM 252 – Organic Laboratory Techniques II (1)

### and at least one of the following

CHEM 310 – Quantitative Analysis and Chemical Equilibrium (4)		
CHEM 345 – Physical Chemistry I (4)	CHEM 346 – Physical Chemistry II (4)	
CHEM 388 – Environmental Chemistry and Engineering (4)		
BBMB 325 – Biochemistry (3) (note BIOL 111 is a pre-requisite)	OR	BBMB 325 – Biochemistry (3) (note BIOL 111 is a pre-requisite)
OR Any 300-400 credit chemistry course except Chemistry Seminar (CHEM 401 or 402) may be substituted for 300-level credit.		