

BS-CHEMISTRY/MS-MATERIALS

Fall		Winter		Spring	
Course	Units	Course	Units	Course	Units
Year 1					
Chem 1A/2A	(3)	Chem 1B/2B	(3)	Chem 1C/2C	(3)
Chem 1AL/2AC	(2)	Chem 1BL/2BC	(2)	Chem 1CL/2CC	(2)
Math 3A	(4)	Math 3B	(4)	Math 4A	(4)
GEs	(4+)	Phys 1	(4)	Phys 2	(4)
GEs	(4+)	GEs	(4+)	GEs	(4+)
Year 2					
Chem 109A/109AH	(4)	Chem 109B/109BH	(4)	Chem 109C/109CH	(4)
Phys 3	(3)	Chem 6AL	(3)	Chem 6BL	(3)
Phys 3L	(1)	Phys 4	(3)	GEs/UG Electives	(3+)
Math 4B	(4)	Phys 4L	(1)	GEs/UG Electives	(3+)
Chem 150*	(3)	Math 6A	(4)	Math 6B	(4)
Year 3					
Chem 113A	(4)	Chem 113B	(4)	Chem 113C	(4)
Chem 142A*	(3)	Chem 116AL	(3)	Chem 116BL	(3)
Chem 150 [†] *	(3)	GEs/UD Electives	(3+)	GEs/UD Electives	(3+)
Chem 6CL [‡] *	(3)	Matrl 100B	(3)	Matrl 100C	(3)
GEs/UD Electives	(3+)				
Matrl 100A [§]	(3)				
Year 4					
Chem 173A	(3)	Chem 173B	(3)	Chem 6CL	(3)
Chem 116CL	(3)	GEs/UD Electives	(3+)	GEs/UD Electives	(3+)
GEs/UD Electives	(3+)	GEs/UD Electives	(3+)	GEs/UD Electives	(3+)
Matrl 209A or 241	(3)	Matrl 218	(3)	GEs/UD Electives	(3+)
Year 5					
Matrl 200A	(4)	Matrl 290	(1)	Matrl 290	(1)
Matrl 290	(1)	Matrl 596		Matrl 596	
Matrl 596		ΞMatrl Electives		ΞMatrl Electives	
ΞMatrl Electives		(2-3 Matrl courses)		(2-3 Matrl courses)	
(2-3 Matrl courses)					

Ξ Denotes Materials elective course, to be chosen from Table III of approved courses.

Some optional UG electives (Table II): Matrl/ChE 160, Matrl/Phys 135

Note that 209A, 218, and 241 are nominally electives and are only recommended courses for the senior year if the student decides to follow the Inorganic emphasis within the MS in Materials.

* Chem 142A, 150 and 6CL may be taken in summer quarter before the start of year 3.

† Chem 150 may be taken in Fall quarter of year 2 if the general chemistry series has been completed.

‡ Chem 6CL may be taken Spring quarter of year 4 to help alleviate course workload in Fall quarter of year 3.

§ Student may petition to have Matrl 100A count toward BS in Chemistry. Please see DSB Undergraduate Office.

Matrl 100B and 100C are required prerequisites for the MS program, but they cannot be used to fulfill either BS or MS unit requirements.