

Chemistry - CHEM (B.A.)

The following program of study is recommended for students who plan to transfer to the College of Science to earn a *Bachelor of Arts degree* as a Chemistry (CHEM) major.

Prospective Chemistry majors may take foundation chemistry courses for non-majors (CHM 111, 112, etc.), but a minimum grade of “B” is required in each of those courses to count them towards the BA in Chemistry. Students should plan to spend at least three years at Virginia Tech to earn a Bachelor of Arts degree in chemistry.

Recommended VCCS Courses	VT Credits 1st. Sem	VT Credits 2nd. Sem	Virginia Tech Course Application
First Year			
ENG 111, 112	3	3	ENGL 1105, 1106
MTH 161+162 or 167	3		MATH 1014
MTH 261		3	MATH 1025
CHM 111, 112	4	4	CHEM 1035+1045, 1036+1046
Critical Thinking in the Humanities ¹	3	3	See Pathways List
Reasoning in the Social Sciences ¹	3	3	See Pathways List
TOTAL	16	16	
Second Year			
MTH 262	3		MATH 1026
PHY 121 or 201	4		PHYS 2205+2215
PHY 122 or 202		4	PHYS 2206+2216
Critique and Practice in Design and the Arts ¹	3	3	See Pathways List
Advanced/Applied Discourse ¹	3		See Pathways List
Critical Analysis of Identity and Equity in the United States ¹		3	See Pathways List
Transferable electives ^{2 3}	3	6	Electives
TOTAL	16	16	

Footnotes

¹ See VCCS General Education.

² See VCCS Transferable courses.

³ Students interested in pre-professional programs might select courses in biology or public speaking as electives.

See Foreign Language Requirement

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Prospective Chemistry majors may take foundation chemistry courses for non-majors (CHM 111, 112, etc), but a minimum grade of “B” is required in each of those courses in order to count them towards the BS in Chemistry. Students should plan to spend three to four years at Virginia Tech to earn a Bachelor of Science degree in chemistry.

Recommended VCCS Courses	VT Credits 1st. Sem	VT Credits 2nd. Sem	Virginia Tech Course Application
First Year			
ENG 111, 112	3	3	ENGL 1105, 1106
MTH 263	4		MATH 1225
MTH 264		4	MATH 1226
MTH 266		2	MATH 2114
CHM 111 or 126	4		CHEM 1035+1045
CHM 112		4	1036+1046
Critical Thinking in the Humanities ¹	3	3	See Pathways List
TOTAL	14	16	
Second Year			
MTH 267	3		MATH 2214
MTH 265		3	MATH 2204
PHY 231 or (241+242) ³	4		PHYS 2305
PHY 232 or (241+242) ³		4	PHYS 2306
Critique and Practice in Design and the Arts ¹	3	3	See Pathways List
Reasoning in the Social Sciences ¹	3	3	See Pathways List
Advanced/Applied Discourse ¹		3	See Pathways List
Critical Analysis of Identity and Equity in the United States ¹	3		See Pathways List
TOTAL	16	16	

Footnotes

¹ See VCCS General Education.

² See VCCS Transferable courses.

³ Students must take PHY 241 and PHY 242 to receive credit for PHYS 2305 and PHYS 2306.

See Foreign Language Requirement