

# Applied Mathematics, Chemistry Track

**Program:** Applied Mathematics

**Type:** Track

## Required courses

### Required courses

Item #	Title	Credits
MATH 210	Elementary Statistics	3
MATH 231	Calculus I	4
MATH 232	Calculus II	4
MATH 233	Calculus III	4
MATH 331	Linear Algebra	3
MATH 431	Ordinary Differential Equations	3
CHEM 111	General Chemistry I	4
CHEM 111	General Chemistry I Laboratory	1
CHEM 112	General Chemistry II	4
CHEM 112	General Chemistry II Laboratory	1
CHEM 496	Seminar	1
PHYS 231	Engineering Physics I	4
PHYS 231	Engineering Physics Laboratory I	1
PHYS 232	Engineering Physics II	4
PHYS 232	Engineering Physics II Laboratory	1
CPSC 111	Introduction to Computer Science	3

Take 18 credits from the following:

Item #	Title	Credits
CHEM 271	Organic Chemistry I	3
CHEM 271	Organic Chemistry I Laboratory	1
CHEM 272	Organic Chemistry II	3
CHEM 272	Organic Chemistry II Laboratory	1
CHEM 331	Quantitative Analysis	3
CHEM 331	Quantitative Analysis Laboratory	1
CHEM 332	Instrumental Analysis	3
CHEM 332	Instrumental Analysis Laboratory	1
CHEM 375	Biochemistry	3
CHEM 375	Biochemistry Laboratory	1
CHEM 377	Environmental Chemistry	3
CHEM 377	Environmental Chemistry Laboratory	1
CHEM 431	Physical Chemistry I	3
CHEM 431	Physical Chemistry I Laboratory	1
CHEM 432	Physical Chemistry II	3
CHEM 432	Physical Chemistry II Laboratory	1
CHEM 435	Inorganic Chemistry	3
CHEM 445	Advanced Organic Chemistry	3

Take 3 credits from the following:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MATH 310	Probability and Statistical Inference	3
MATH 432	Numerical Analysis	3
MATH 448	Special Topics	3
<b>Total credits:</b>		<b>66</b>