

### SEMESTER 1 (Autumn)

3 Concentration courses:

- 1 Mathematics (201-HSG or 201-NYA)
- 1 Chemistry (202-HSG or 202-NYA)
- 1 Physics (203-HSG or 203-NYA)

- 1 English (603-101)
- 1 Humanities (345-101 or 345-102)
- 1 Physical Education (109-101 or 109-102)
- 1 French\* (602-10\_) OR Complementary

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7 courses

\* Students placed in 602-100 French should take French in the first year.

### SEMESTER 2 (Winter)

3 Concentration courses:

- 1 Mathematics (201-NYA or 201-NYB)
- 1 Chemistry (202-NYA or 202-NYB)
- 1 Physics (203-NYA or 203-NYC)

- 1 English
- 1 Humanities
- 1 Physical Education (109-101 or 109-102)
- 1 French\* (602-HS\_) OR Complementary

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7 courses

\* Students placed in 602-100 French should take French in the first year.

### SEMESTER 3 (Autumn)

3 Concentration courses (see lists below)

- 1 English
- 1 Humanities OR French
- 1 Complementary OR Physical Education

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6 courses

### SEMESTER 4 (Winter)

3 Concentration courses (see lists below)

- 1 English
- 1 Humanities OR French
- 1 Complementary OR Physical Education

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6 courses

In addition to passing the above courses, students must pass the **ENGLISH EXIT EXAM** and the **COMPREHENSIVE ASSESSMENT**.

## 9 COMPULSORY CONCENTRATION COURSES

#### BIOLOGY

101-NYA [General Biology 1](#)

#### MATHEMATICS

201-NYA [Calculus 1](#)  
201-NYB [Calculus 2](#)  
201-NYC [Linear Algebra](#)

#### CHEMISTRY

202-NYA [General Chem. 1](#)  
202-NYB [Chemistry of Solutions](#)

#### PHYSICS

203-NYA [Mechanics](#)  
203-NYC [Waves](#)  
203-NYB [Electricity & Magnetism](#)

## 3 OPTIONAL CONCENTRATION COURSES

#### BIOLOGY

101-HTK [Gen. Biology 2](#) ☼  
101-HTP [Human Physiology](#)

#### MATHEMATICS

201-HSG [Intro. Math.](#) ★  
201-HTG [Numerical Methods](#)  
201-HTH [Probability & Stats.](#)  
201-HTJ [Calculus 3](#)  
201-HTK [Linear Algebra 2](#)  
201-HTL [Differential Equations](#) [w]

#### CHEMISTRY

202-HSG [Intro. Chem.](#) ★  
202-HTE [Chemistry of Wine](#)  
202-HTF [Food & Drugs](#)  
202-HTG [Health & Beauty](#)  
202-HTJ [Organic Chem. 1](#) ☼  
202-HTK [Organic Chem. 2](#) [w]  
202-HTQ [Physical Chemistry](#)

#### PHYSICS

203-HSG [Intro. Physics](#) ★  
203-HTJ [Astrophysics](#) [w]  
203-HTK [Statics & Engineering Physics](#) [w]

#### COMPUTER SCIENCE

420-HTX  
[C++ Programming](#) ★ [w]

★ These courses do NOT carry a Science Comprehensive Assessment credit.

☼ These courses are prerequisites for some university programs.

[w] These courses are offered only in the winter semester.