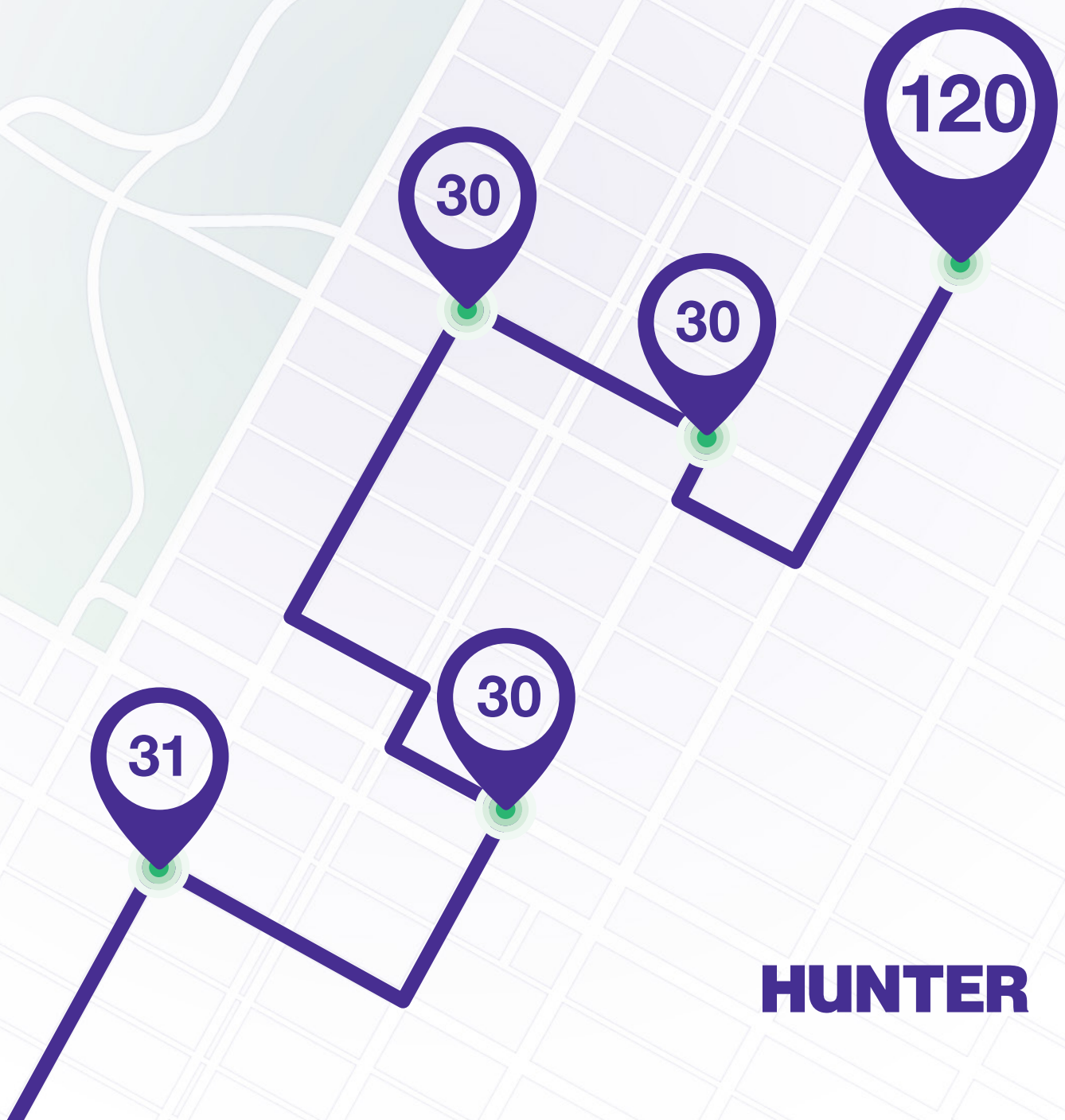


Map it out

# Biological Sciences Bioinformatics BA



**HUNTER**

# Biological Sciences Bioinformatics BA

31

## Freshman

FALL

 **CHEM 102** 4 CR  
LIFE & PHYSICAL SCIENCES

 **MATH 12550** 4 CR  
MATH & QUANTITATIVE REASONING

**ENGL 120** 3 CR  
ENGLISH COMPOSITION 1

**FOREIGN LANGUAGE** 3 CR  
Level 1

**HCR** 3 CR  
INDIVIDUAL & SOCIETY: SOCIAL SCIENCES

SPRING

 **BIOL 100 (spring only)** 4.5 CR

 **CHEM 104** 4 CR

 **CHEM 106** 3 CR

**FOREIGN LANGUAGE** 3 CR  
Level 2

**ENGL 220** 3 CR  
ENGLISH COMPOSITION 2

61

## Sophomore

FALL

 **STAT 213** 3 CR

 **CHEM 222** 4 CR

 **MATH 150** 4 CR

**FOREIGN LANGUAGE** 3 CR  
Level 3

SPRING

 **BIOL 203 (spring only)** 4.5 CR

 **CHEM 224** 4 CR

 **MATH 155** 4 CR

**FOREIGN LANGUAGE** 3 CR  
Level 4

91

## Junior

FALL

 **BIOL 300 (fall only)** 4.5 CR

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 **PHYS 110 OR PHYS 111** 4.5/5.5  
CR  
LIFE & PHYSICAL SCIENCES

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 **CSCI 132** 3 CR

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**Elective** 3 CR

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SPRING

 **BIOL 303 (spring only)** 4.5 CR

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 **PHYS 120 OR PHYS 121** 4.5/5.5  
CR  
LIFE & PHYSICAL SCIENCES

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 **CSCI 232** 3 CR

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**HCR** 3 CR  
INDIVIDUAL & SOCIETY: HUMANITIES

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121

## Senior

FALL

**HCR** 3 CR  
CREATIVE EXPRESSION

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**HCR** 3 CR  
US EXPERIENCE IN ITS DIVERSITY

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**HCR** 3 CR  
WORLD CULTURES & GLOBAL ISSUES

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**ELECTIVE** 3 CR

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**ELECTIVE** 3 CR

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SPRING

 **BIO 425** 3 CR

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**MAJOR ELECTIVE** 3 CR

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**MAJOR ELECTIVE** 3 CR

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**ELECTIVE** 3 CR

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**ELECTIVE (if needed)** 2 CR

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**DISCLAIMER:** Degree maps offer a recommended sequence of courses. Despite our efforts to ensure accuracy, course and program details are subject to change. Therefore, a degree map should not be considered a contract or a promise of course availability. For official requirements, please refer to the Undergraduate Catalog. Your academic advisor is also available to assist with course selection and planning for future semesters.

**Undergraduate Catalog:** <https://hunter-undergraduate.catalog.cuny.edu/>

**DegreeWorks:** <https://degreeworks.cuny.edu/>

**Navigate for Students:** <https://hunter.cuny.edu/navigate/students/>

**REPORT A PROBLEM**



**UPDATED:** 2024-Mar

<http://forms.office.com/r/1XNiBpT15n>

## Additional Notes

- For students who do not place into MATH 12550 should begin with MATH 101 Algebra. The sequence is as follows – MATH 101 – MATH 12550 – MATH 150-MATH 155. If you begin with MATH 101, the Degree Map is shifted by one semester and still allows for completion of the major in 4 years.
- BIOL 100 is offered during the spring and summer semesters only. To complete the degree in four years, students who are unable to complete the course in the spring semester of freshman year should enroll in the summer course.
- Students interested in completing Honors work during their senior year should consult an adviser prior to selecting Biology 300/400 level electives.
- BIOL 100 and 102 may satisfy Pluralism & Diversity - either Group C or Group D, only if both courses are taken at Hunter.
- A total of 8 elective credits are required for Biology/Bioinformatics:
- BIOL 41719 (Biomedical Genomics I, Fall) or BIOL47120 (Biomedical Genomics II, Spring): one of the two is required; count towards Biology 470/471 requirement
- BIOL 37500 (Molecular Evolution, Fall), CHEM 33300 (Computational Drug Discovery, Spring), STAT 31900 (Bayesian Inference, Fall): one is required; count towards Biology lecture elective requirement
- BIOL 47105 (Python Programming for Bioinformatics; not regularly offered), BIOL 47083 (Bioinformatics Workshop; not regularly offered)
- BIOL48002 (Introduction to Experimental Biology; 2 cr): require a faculty sponsorship; count towards research requirements for Biology honors.