# ACADEMIC DEGREE MAP

## CIVIL ENGINEERING: ENVIRONMENTAL ASSOCIATE OF SCIENCE

### COURSE | CREDITS COMPLETED
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ENG 110: Expository Writing (Required Common Core: English Composition) | 3
CHE 210: General Chemistry I (Required Common Core: Life and Physical Sciences) | 4
**FLEXIBLE COMMON CORE: WORLD CULTURES AND GLOBAL ISSUES:** HUM 100* | 3
MAT 210: Calculus I (Required Common Core: Mathematical and Quantitative Reasoning) | 4
**FLEXIBLE COMMON CORE: INDIVIDUAL & SOCIETY:** SOC 101 OR PSY 101* | 3

**SUB-TOTAL:** 17

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### COURSE | CREDITS COMPLETED
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ENG 111: Literature and Composition (Required Common Core: English Composition) | 3
CHE 220: General Chemistry II (Flexible Common Core: Scientific World) | 4
MAT 220: Calculus II | 4
CSC 215: Modern Programming | 3

**SUB-TOTAL:** 14

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### COURSE | CREDITS COMPLETED
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ENGR 103 OR ENGR 204: Analysis Tools for Engineers (E-Permit) or Electrical Circuits | 2 - 3
PHY 210: General Physics I (Flexible Common Core: One (1) additional course from the Flexible Common Core) | 4
**FLEXIBLE COMMON CORE: U.S. EXPERIENCE IN ITS DIVERSITY:** HIS 210 or HIS 211* | 3
MAT 310: Calculus III | 4

**SUB-TOTAL:** 13 - 14

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### COURSE | CREDITS COMPLETED
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ENG 202: Technical Writing | 3
ENGR 106/EAS 106: Earth System Science; Engineering Earth Sciences (E-Permit/Independent Study at Hostos) | 4
PHY 220: General Physics II | 4
**FLEXIBLE COMMON CORE: CREATIVE EXPRESSION:** CDM 110* | 3

**SUB-TOTAL:** 14

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### SUMMER

MAT 360: Ordinary Differential Equations | 3
MAT 320: Linear Algebra & Vectors Analysis | 3

**SUB-TOTAL:** 6

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**TOTAL CREDITS:** 64 - 65

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*STRONGLY RECOMMENDED

PASSING GRADE REQUIREMENT: MAT 210; MAT 200; MAT 220; MAT 310; MAT 320; MAT 360; CHE 210; CHE 220; CHE 310; CHE 312; CHE 320; PHY 210; PHY 220 REQUIRE A MINIMUM PASSING GRADE OF "C".

A 2.7 OVERALL GPA AND A 2.5 MATH AND SCIENCES GPA ARE REQUIRED TO TRANSFER TO THE CITY COLLEGE GROVE SCHOOL OF ENGINEERING.

**NOTES**

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