

# ACADEMIC DEGREE MAP

## MECHANICAL ENGINEERING

### ASSOCIATE OF SCIENCE

#### 1 COURSE

**MAT 210:** Calculus I\* (Required Common Core: Mathematical and Quantitative Reasoning)

 **CREDITS** 4

**ENG 110:** Expository Writing (Required Common Core: English Composition)

 **CREDITS** 3

**CHE 210: GENERAL CHEMISTRY I\*** (Required Common Core: Life and Physical Sciences)

 **CREDITS** 4

 **FLEXIBLE COMMON CORE: INDIVIDUAL & SOCIETY:** PSY 101 or SOC 101\*\*

**CREDITS** 3

#### 2 COURSE

**MAT 220:** Calculus II\*

**SUB-TOTAL** 13 **CREDIT** 3 **COMPLETED**

**ENG 111:** Literature and Composition (Required Common Core: English Composition)

  **CREDITS** 3

**CHE 220:** General Chemistry II\* (Flexible Common Core: Scientific World)

  **CREDITS** 4

 **FLEXIBLE COMMON CORE: WORLD CULTURES AND GLOBAL ISSUES:** HUM 100\*\*

**CREDITS** 3

#### 3 COURSE

**GET AHEAD! TAKE CLASSES DURING THE SUMMER**

**SUB-TOTAL** 16 **CREDITS** 3 **COMPLETED**

**MAT 310:** Calculus III\*

  **CREDITS** 3

**PHY 210:** General Physics I\*

  **CREDITS** 3

**CHE 310:** Organic Chemistry I\* (Flexible Common Core: One (1) additional course from the Scientific World)

**CREDITS** 3

**ME 14500:** Computer-Aided Drafting \*\*\*

 **CREDITS** 3

 **FLEXIBLE COMMON CORE: US EXPERIENCE IN ITS DIVERSITY:** HIS 210 or HIS 211\*\*

**CREDITS** 3

#### 4 COURSE

**SUB-TOTAL** 15 **CREDITS** 3 **COMPLETED**

**PHY 220:** General Physics II\*

 **CREDITS** 4

**ENG 202:** Technical Writing

 **CREDITS** 3

**ENGR 204: Electrical Circuits**

 **CREDITS** 3

**ME 24600:** Engineering Mechanics I\*\*\*

 **CREDITS** 3

 **FLEXIBLE COMMON CORE: CREATIVE EXPRESSION:** COM 110\*\*

**CREDITS** 3

#### SUMMER

**SUB-TOTAL** 16

**MAT 320:** Linear Algebra & Vectors Analysis\*

 **CREDITS** 3

**MAT 360:** Ordinary Differential Equations\*

 **CREDITS** 3

**SUB-TOTAL** 6

**TOTAL CREDITS 60**

You've **FINISHED**!



MILESTONES ARE COURSES THAT MUST BE TAKEN IN SEQUENTIAL ORDER

**TWO WRITING INTENSIVE COURSES REQUIRED FOR GRADUATION**

**15 CREDITS PER SEMESTER**

GRADUATE ON TIME, SAVE MONEY & START YOUR CAREER!

**EXCELSIOR SCHOLARSHIP**

COVERS FULL TUITION  
MUST EARN 30 CREDITS PER YEAR

[www.hostos.cuny.edu/excelsior](http://www.hostos.cuny.edu/excelsior)

**CAMPUS SUPPORT FOR ACADEMIC SUCCESS**

- [LIBRARY](#)
- [TUTORING CENTER](#)
- [WRITING CENTER](#)
- [COMPUTER LABS](#)
- [TECHNOLOGY WORKSHOPS](#)
- [COUNSELING](#)
- [SCHOLARSHIPS](#)

**CAREER COACH**

CAREER COACH IS AN ONLINE TOOL THAT HELPS STUDENTS EXPLORE MAJORS AND IN-DEMAND CAREERS

[www.hostos.cuny.edu/careercoach](http://www.hostos.cuny.edu/careercoach)

**DEGREE AUDIT**

TO VIEW FULL DEGREE MAP ONLINE,  
SCAN QR CODE BELOW:



[degreeworks.cuny.edu](http://degreeworks.cuny.edu)

#### NOTES

PASSING GRADE REQUIREMENT:

\*MAT210, MAT220, MAT 310, MAT 320, MAT 360, CHE 210, CHE 220, CHE 310, PHY 210 AND PHY 220 REQUIRE A MINIMUM PASSING GRADE OF "C".

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

\*\*COURSE(S) STRONGLY RECOMMENDED

\*\*\* ME 145 AND ME 246 WILL BE TAKEN AS AN EPERMIT AT THE CITY COLLEGE OF NEW YORK