## Engineering Science (A.S. Degree) * <br> FALL 2023-SPRING 2024

## Footnotes:

${ }^{1}$ Students with English Proficiency Index (EPI) of 0-49 enroll in corequisite course ENG 100. Students with EPI of $50-64$ enroll in corequisite course ENG 110. Students with EPI of at least 65 (or other English proficiency qualification) enroll in ENG 111. Students with ESL need should take appropriate ESL course(s) (Sequence: ESL 01->02->03->09) before enrolling in ENG 110.
${ }^{2}$ Students are eligible to enroll in MTH 28 if they have successfully completed an elementary algebra math intervention at a CUNY college (e.g., Math Proficiency Workshop, CUNY Start Math, Math Start, or MTH 5), or if they are CUNY Math proficient AND have the appropriate math background in high school. See the Mathematics Course Placement page in the College Catalog.
${ }^{3}$ Students not eligible for MTH 28 or higher courses enroll in corequisite course MTH 28.5 However, note that students with Math Proficiency Index of 39 or lower are strongly encouraged to enroll in Math Start/CUNY Start.
${ }^{4}$ This program has received a waiver to require students to complete specific STEM/STEM Variant courses in Required Area B, Required Area C and Flexible Area E. If students ransferring into this program complete different courses in these areas, they will be certified as having completed the Common Core requirements, but it may not be possible for them to finish their degree within the regular number ( 60 ) of credits.
${ }^{5}$ In choosing courses to fulfill Pathways Flexible core requirements for Areas A, B, C, and D, students are strongly advised to select courses from no fewer than three (3) different departments.
${ }^{6}$ See Degree map at: http://www.bcc.cuny.edu/academics/academic-advising/degree-maps/ for semester-by-semester sequence
${ }^{7}$ Students who place out of MTH 28 can use one elective credit toward EGR 31. Students who do not place out of MTH 28 should select EGR 21 so as to not exceed the 60 -credit limit for the program.
${ }^{8}$ Available only if student places out of MTH 28 and/or MTH 30 .
*Note:
In order to apply for graduation, students must complete all required courses with appropriate grades, complete two writing intensive courses, and have a minimum GPA of 2.0 .

## REQUIRED COMMOM CORE

| $\begin{aligned} & \square \mathrm{A} \\ & \square \mathrm{~A} \end{aligned}$ | English Composition I ${ }^{1}$ \& II <br> ENG $100^{1}$ OR ENG $110^{1}$ OR ENG 1111; AND ENG 112 OR ENG 113 OR ENG 114 OR ENG 115 OR ENG 116 | 6 |
| :---: | :---: | :---: |
| $\square \mathrm{B}$ | Mathematical and Quantitative Reasoning $2,3,4$ <br> MTH $28^{2.4}$ College Algebra and Elementary Trigonometry OR MTH $28.5^{3}$ (Corequisite) | 3 |
| $\square C$ | Life and Physical Sciences ${ }^{4}$ PHY 31 Physics I | 4 |
|  | Subtotal: | 13 |

## FLEXIBLE COMMON CORE

| Students can complete no more than two courses from any one discipline or interdisciplinary field. |  |
| :--- | ---: |
| $\square$ A World Cultures and Global Issues ${ }^{5}$ | 3 |
| $\square$ B US Experience in its Diversity ${ }^{5}$ | 3 |
| $\square$ C Creative Expression ${ }^{5}$ | 3 |
| $\square$ D Individual and Society |  |
| $\square$ E Scientific World ${ }^{4}$ PHY 32 Physics II AND CHM 11 General Chemistry I | 3 |
|  | Subtotal: |
| $\mathbf{2 n}$ |  |



