## MECHANICAL ENGINEERING CURRICULUM FLOWCHART



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## PREQUISITES INFORMATION COURSE SEQUENCING MATTERS

| CHEM 1A | High school chemistry recommended |
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| ENGIN 7 | MATH 1B (may be taken concurrently) |
| ENGIN 26 | None |
| ENGIN 29 | ENGIN 26 or equivalent experience in three-dimensional solid modeling (e.g. Solidworks, Fusion 360) is recommended |
| ENGIN 178 | ENGIN 7, MATH 1A, MATH 1B, and MATH 53; and MATH 54 (may be taken concurrently) |
| MATH 1A | 3.5 years of high school math, including trigonometry and analytic geometry. Students with exam credits (such as AP credit) should consider <br> choosing a course more advanced than 1A |
| MATH 1B | MATH 1A or MATH N1A |
| MATH 53 | MATH 1B or MATH N1B |
| MATH 54 | MATH 1B, MATH N1B, MATH 10B, or MATH N10B |
| PHYSICS 7A | High school physics; Math 1A; and Math 1B (which may be taken concurrently) |
| PHYSICS 7B | PHYSICS 7A, MATH 1A, MATH 1B, and MATH 53 (may be taken concurrently) |
| MEC ENG 40 | CHEM 1A, ENGIN 7, MATH 1B, and PHYSICS 7B |
| MEC ENG C85 | MATH 53 and MATH 54 (may be taken concurrently); PHYSICS 7A |
| MEC ENG 100 | ENGIN 7, COMPSCI 10, COMPSCI 61A, COMPSCI C8, or equivalent background in computer programing; MATH 1A or equivalent background <br> in calculus; PHYSICS 7A or equivalent background in physics |
| MEC ENG 102B | ENGIN 25, ENGIN 26, ENGIN 27; and EECS 16A or MEC ENG 100. Please note that junior transfer students are exempt from ENGIN 26 |
| MEC ENG 103 | MEC ENG 40; MEC ENG C85 / CIV ENG C30; MEC ENG 100; MEC ENG 106 (can be taken concurrently), and MEC ENG 109 (can be taken concurrently) |
| MEC ENG 104 | MEC ENG C85 and ENGIN 7 |
| MEC ENG 106 | MEC ENG C85 / CIV ENG C30 and MEC ENG 104 (104 may be taken concurrently) |
| MEC ENG 108 | MEC ENG C85 / CIV ENG C30 |
| MEC ENG 109 | MEC ENG 40 and MEC ENG 106 |
| MEC ENG 132 | MATH 53, MATH 54, PHYSICS 7A, and PHYSICS 7B |
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| Note: The most current prereqs are located at http://guide.berkeley.edu/courses/ |  |

^FOR AEROSPACE CONCENTRATION

- TE MEC ENG 163 or ME/AE C162: Aerodynamics
- TE MEC ENG 136: Intro to Control of UAVs, satisfies QS requirement
- TE MEC ENG 127: ME Composite Materials.

The Aerospace minor requires additional coursework.
https://me.berkeley.edu/undergraduate/aerospace-minor/

