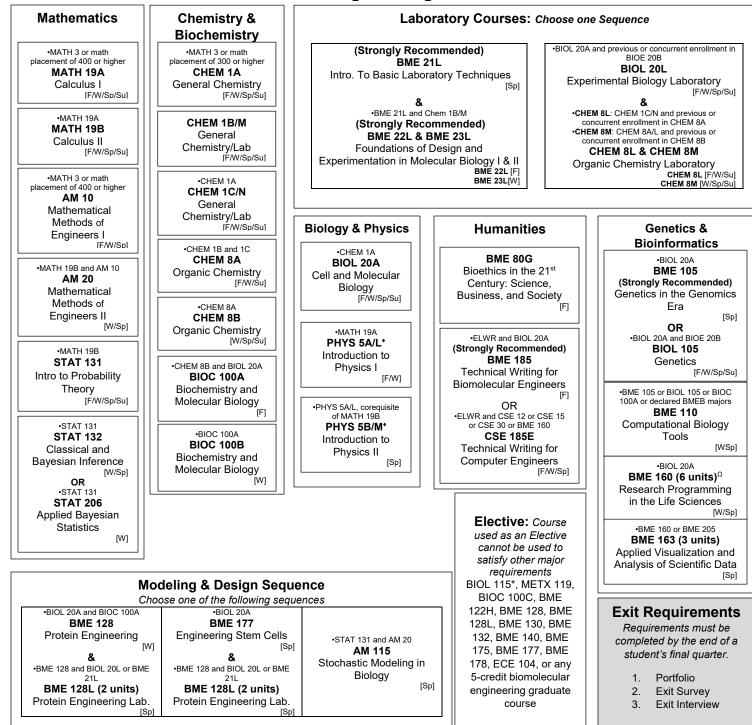
2020-2021 Biomolecular Engineering and Bioinformatics: Biomolecular



Bioinformatics Capstone [#]	iGEM	Senior Design	Senior Thesis ^α
BME 160, STAT 131, and prev. or conc. Enrollment in BIOC 100A BME 205 Bioinformatics	•prev or conc. Enrollment in BME 185 or CSE 185E BME 180(2 units) Professional Practice in Bioengineering	•BIOL 20A and BIOC 100A BME 129A Biomolecular Engineering Project I [FI]	BME 195 (5 units) Senior Thesis Research
Models and Algorithms [F]	•BME 180 and prev or conc. Enrollment in BME 185 or CSE 185E BME 188A(2 units) Synthetic Biology – Mentored Research A	•BME 129A BME 129B Biomolecular Engineering Project II [W]	BME 195F (2 units) Senior Thesis Research BME 185 or CSE 185E, conc. Enrollment in BM 195F
•BME 205 BME 230A Introduction to Computational Genomics and Systems Biology	•BME 188A BME 188B Synthetic Biology – Mentored Research B	•BME 129A and BME 129B BME 129C Biomolecular Engineering Project III [Sp]	BME 123T (5 units) Senior Thesis Writing
[W]	•BME 1888 BME 188C Synthetic Biology – Mentored Research C [Su]		BME 195 (5 units) Senior Thesis Research

2020-2021 Biomolecular Engineering and Bioinformatics: Biomolecular

Fall	Winter	Spring	Summer

Fall	Winter	Spring	Summer

Fall	Winter	Spring	Summer

Fall	Winter	Spring	Summer

Legend

 Ω Students with no prior programming experience are advised to take CSE 20 prior to BME 160

The Bioinformatics capstone is programming heavy. Students interested in this capstone are advised to take additional programming classes.

α The thesis option consists of 12 credits of Independent Study (BME 198), Field Study (BME 193), or Senior Thesis Research (BME 195) in Biomolecular Engineering; and BME 123T Senior Thesis Writing (5 units). Students pursuing the senior thesis option must write a two-page thesis proposal and seek approval of their project from the undergraduate director in the quarter preceding the independent study courses, typically spring quarter of the third year. Students spend three or more quarters working on their thesis projects. These students must enroll in BME 123T, Senior Thesis Writing, before completing their thesis.

• Students following the 2020-2021 curriculum may use Phys 6A/L and Phys 6B/M in place of Phys 5A/L and Phys 5B/M. The Physics 5 series is strongly recommended.

Student Name:

Adviser Name/Notes: