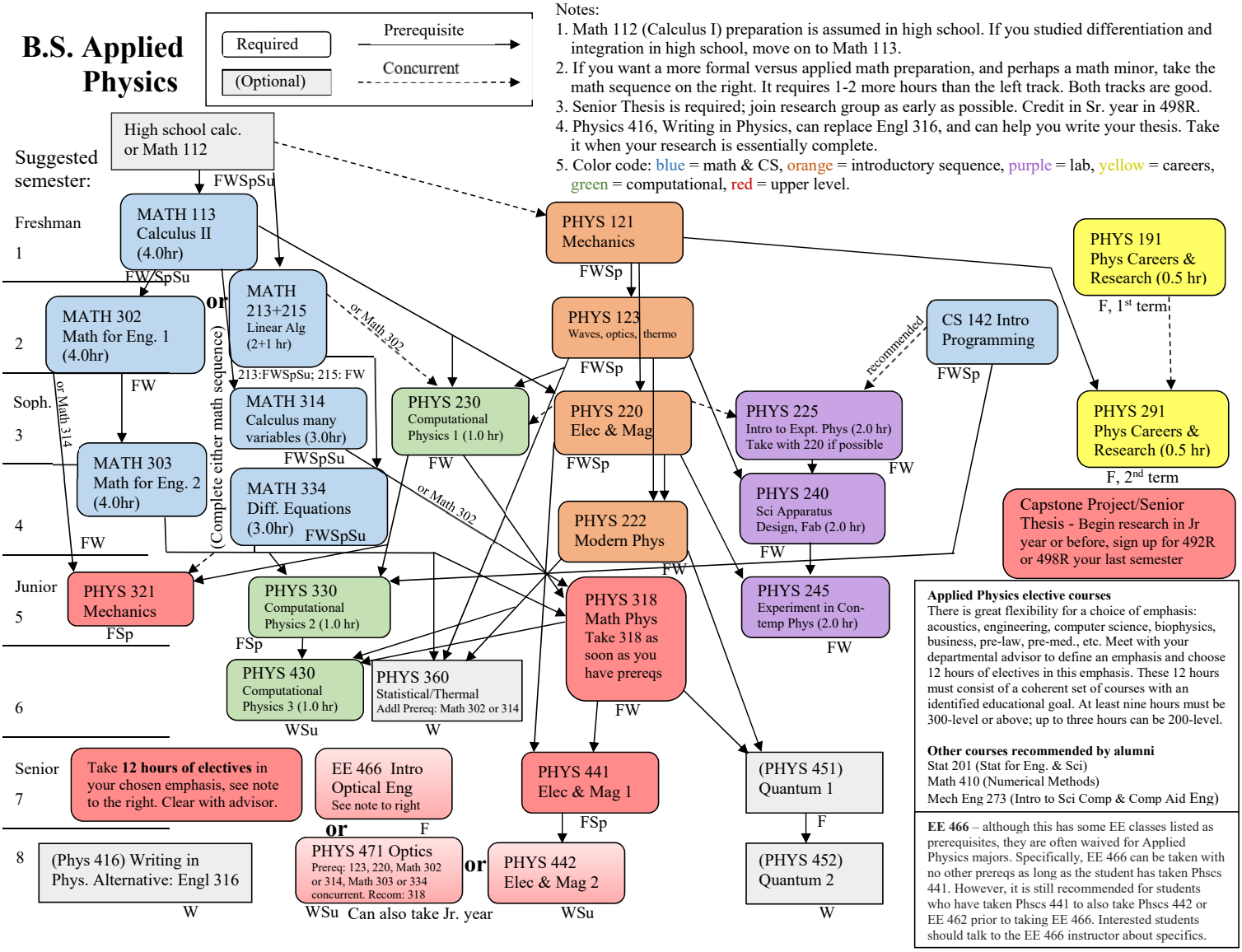
B.S. Applied Physics



Notes:

1. Math 112 (Calculus I) preparation is assumed in high school. If you studied differentiation and integration in high school, move on to Math 113.
2. If you want a more formal versus applied math preparation, and perhaps a math minor, take the math sequence on the right. It requires 1-2 more hours than the left track. Both tracks are good.
3. Senior Thesis is required; join research group as early as possible. Credit in Sr. year in 498R.
4. Physics 416, Writing in Physics, can replace Engl 316, and can help you write your thesis. Take it when your research is essentially complete.
5. Color code: blue = math & CS, orange = introductory sequence, purple = lab, yellow = careers, green = computational, red = upper level.

Applied Physics elective courses
There is great flexibility for a choice of emphasis: acoustics, engineering, computer science, biophysics, business, pre-law, pre-med., etc. Meet with your departmental advisor to define an emphasis and choose 12 hours of electives in this emphasis. These 12 hours must consist of a coherent set of courses with an identified educational goal. At least nine hours must be 300-level or above; up to three hours can be 200-level.

Other courses recommended by alumni
Stat 201 (Stat for Eng. & Sci)
Math 410 (Numerical Methods)
Mech Eng 273 (Intro to Sci Comp & Comp Aid Eng)

EE 466 – although this has some EE classes listed as prerequisites, they are often waived for Applied Physics majors. Specifically, EE 466 can be taken with no other prereqs as long as the student has taken Phscs 441. However, it is still recommended for students who have taken Phscs 441 to also take Phscs 442 or EE 462 prior to taking EE 466. Interested students should talk to the EE 466 instructor about specifics.