

Plan of Study for the Mechanical and Materials Science and Engineering Track of AB Engineering Sciences Concentration

Effective for students declaring after August 1, 2026 · AY 2026–2027

Name:

Class:

Email:

Date:

This Plan of Study is a: Declaration Revision

8-SEMESTER COURSE SCHEDULE (type directly in any cell to change a course)

Fall 1	Spring 1	Fall 2	Spring 2	Fall 3	Spring 3	Fall 4	Spring 4

Click a cell to type. Requirement dropdowns offer course choices; approved alternatives are on page 2.

REQUIRED COURSES

EXAMPLE COURSES — edit to match your plan

Mathematics (sequence by placement)	
Applied Mathematics (AM 105)	
Physics (2 courses)	
Computer Science (1 course)	
Electronics (1 course)	
Mechanical Engineering Core (5 required)	
Engineering Electives (2 — list on page 2)	

Concentration structure to verify: 14–16 courses total · 8 engineering · 5 core · 2 electives

Advisor notes:

Required Signatures

No concentration course may be taken Pass/Fail or SAT/UNS.

Student

Date:

Concentration Advisor

Date:

Click a signature box to sign — in Adobe Acrobat Reader, or via Harvard DocuSign / Adobe Sign for a binding, audit-trailed signature.

Approved Courses & Planning Reference

Reference only — fill in the form on page 1. AY 2026–2027 requirements; the SEAS handbook governs.

Completing this form

- Open in Acrobat Reader. Edit courses, fill the schedule, and save. Sign after advisor review.
- Review courses for your placement. PDF fields do not recalculate or validate edits.
- A.B.: five core courses and two distinct electives; no chemistry, statistics, or design-capstone requirement.
- Check current offerings and prerequisites. Count each course under one requirement only.

Mathematics — follow your placement

- Sequence: Math 1a, 1b, 21a, 21b; begin at your placement. Math 22a/22b may replace 21a/21b.
- Math MA + MB replaces Math 1a; next take Math 1b. Math MA is preparatory and is not counted separately.

Applied Mathematics

- AM 105 is required at every placement; no statistics requirement. Consult your advisor for advanced math placement.

Physics (2 courses)

- Physics A: PS 12a, Physics 15a, Physics 16, or AP 50a.
- Physics B: PS 12b, Physics 15b, or AP 50b.

Computer Science (1 course)

- AM 10 (Fall), CS 32 (Spring), CS 50 (Fall/Spring), or SCI 5 (Spring).

Prerequisite planning

Physics A = PS 12a / Physics 15a / AP 50a · Physics B = PS 12b / Physics 15b / AP 50b · Co: = may be a co-requisite

Electronics (1 course)

- ECE 50 (Spring) — the usual choice.

Mechanical Engineering Core — 5 required

- ES 120, ES 123, ES 125, ES 181, ES 190.

Engineering Electives — 2 courses

- AP 195, BE 110, ESE 109, ES 51, ES 55, ES 105hr, ES 128, ESE 131, ESE 132, ECE 151, ECE 156, ECE 159, ESE 160, ESE 162, ESE 166, ES 170, ECE 173, ES 175, ECE 177, ES 183, ES 192, ECE 155, ES 231, ES 220, ES 240.
- ESE 6 and ES 53 count only in freshman/sophomore year. Choose two courses distinct from the required core.

Before submitting

- A.B.: 14–16 courses, including 8 engineering courses; not ABET-accredited.
- Record approved substitutions in Advisor notes. Acrobat dropdowns accept typed entries; use notes if Preview does not.
- No Pass/Fail or SAT/UNS. Count no more than three of ESE 6, ECE 50, ES 51, ES 53.
- Discuss joint/double concentration plans with your advisor. For co-listed courses, enroll in the Engineering Sciences offering.
- Obtain advisor approval and file a revision whenever your plan changes.

Course	Offered	Math	Physics / other
ES 120	Spring	Math 21a, Co: Math 21b	Physics A
ES 123	Spring	Math 21a, Math 21b	Physics A
ES 125	Fall	Math 21a, Math 21b	Physics A
ES 181	Fall	—	Physics A
ES 190	Spring	Math 21a, Math 21b	Physics A, Physics B
ES 51	Fall, Spring	—	—
ES 128	Fall	Math 21a, Math 21b	Physics A, ES 120
ECE 50	Spring	—	—
ECE 155	Fall	Math 21a, Math 21b	—
ECE 159	Spring	—	Physics A, rec. CS 50
ES 183	Spring	Math 21a, Math 21b	Physics A, ES 181