

Track & General Technical Elective Example Plans

Look at the example AOE technical elective plans on the following slides. Read the explanations to understand why each plan either will work or has a problem.



Plan will work.



Plan has a problem.

Example #1

- **Track Technical Electives: Vehicle and System Design**
 - AOE 4084, required course (3 cr)
 - AOE 3354 (3 cr)
 - MGT 3304 (3 cr)
- **General Technical Electives**
 - AOE 4024 (3 cr)
 - AOE 2114 (3 cr)
 - CS 1114 (3 cr)



Why does it work?

This plan includes 9 track tech credits and 9 general tech credits. The required track course is included. Only 6 non-AOE credits are included.

Example #2

- **Track Technical Electives: Space Engineering**
 - AOE 4654 (3 cr)
 - PHYS 3655 (3 cr)
 - PHYS 3656 (3 cr)
- **General Technical Electives**
 - AOE 3354 (3 cr)
 - AOE 4474 (3 cr)
 - AOE 2994 (1 cr)
 - AOE 4994 (2 cr)



Why does it work?

This plan includes 9 track tech credits and 9 general tech credits. Space engineering track does not have a required course. Only 6 non-AOE credits are included.

Example #3

- **Track Technical Electives: Space Engineering**
 - AOE 2664 (3 cr)
 - AOE 4654 (3 cr)
 - PHYS 3655 (3 cr)
- **General Technical Electives**
 - AOE 4994 (3 credits)
 - CS 1064 (3 cr)
 - CS 1114 (3 cr)



What's the problem?

This plan includes 9 non-AOE technical elective credits. Only 6 non-AOE credits are allowed.

Example #4

- **Track Technical Electives: Structures and Materials**
 - AOE 4324, required course (3 cr)
 - AOE 4024 (3 cr)
 - AOE 4054 (3 cr)
- **General Technical Electives**
 - AOE 2664 (3 cr)
 - CS 1064 (3 cr)
 - CS 1114 (3 cr)



Why does it work?

This plan includes 9 track tech credits and 9 general tech credits. The required track course is included. Only 6 non-AOE credits are included.

Example #5

- **Track Technical Electives: Aero/Hydrodynamics**
 - AOE 4064 (3 cr)
 - AOE 4114 (3 cr)
 - AOE 4474 (3 cr)
- **General Technical Electives**
 - AOE 2664 (3 cr)
 - AOE 4084 (3 cr)
 - CS 1064 (3 cr)



What's the problem?

The Aero/Hydrodynamics track has a required course (AOE 3044), which is missing from this plan.

Example #6

- **Track Technical Electives: Energy and the Environment**
 - AOE 4064 (3 cr)
 - ENGR 3124 (3 cr)
- **General Technical Electives**
 - AOE 3354 (3 cr)
 - AOE 4084 (3 cr)
 - AOE 4994 (3 cr)
 - CS 1114 (3 cr)



What's the problem?

This plan is missing a track elective course. The 18 technical elective credits are not distributed properly.