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.