

ADDENDUM TO THE MECHATRONICS LONG FORM
Answers to Questions of the Senate Exec regarding the Long Form for Mechatronics
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Q1. Why the limitation to 24, and expected SFR. We want to have controlled growth. Each year we will admit 24 students (allowing some spots for transfers, the number of such spots to be determined later). So the enrollment will be as follows:

Year 1	24
Year 2	48
Year 3	72
Year 4	96
Year 4+	96

We expect the SFR for Mechatronics to be similar to the SFR for Computer Science in general, at about 20; the labs in Sierra are for groups of 24 students, but taking into account attrition and capstones and independent studies we should have about 20.

Q2, Q3 & Q5. Additional resources. We will need additional resources, but considerable resources are already in place. For example, we already cover about 70% of the curriculum with the faculty & courses we have currently. We have 4 engineers in the dept: David Claveau, Jason Isaacs, AJ Bieszczad, Michael Soltys. In particular Michael Soltys comes from a program that has been running Mechatronics for years (McMaster Univ.). But we will need to hire one new faculty a year for the next 2 to 3 years (CS is hiring next year). In addition:

- We will need a technician to help with the labs
- Administrative support
- Yearly budget of about 24K, including minor equipment for students (e.g., circuit boards), and other incidentals. Some of this (about $96 \times 100 = 10K$) to be covered by students who will purchase materials and/or lab fees.
- The Navy has promised to donate equipment, and Ventura College has promised the use of their Manufacturing lab.
- Sierra was designed with potential program - such as Mechatronics - in mind, and so there are general labs in Sierra that can be used for Mechatronics.
- We have .5 million from Sacramento, and since the community really wanted CI to offer engineering, we expect the community to give back once we have engineering.

Q4. Petition to the Chancellor's Office regarding 133 units. We require 133 in order to be able to (eventually) have ABET accreditation. Dan Wakelees's office is preparing the document.