**SF State Scholars**

*Tentative* Biology: Marine Science + Interdisciplinary Marine and Estuarine Sciences Roadmap

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**Freshman**

- **Fall**: BIO 230
- **Spring**: BIO 240
- **Summer**: SF Elective

**Sophomore**

- **Fall**: CHEM 130
- **Spring**: CHEM 215/216 or PHYS 11/112
- **Summer**: SF Elective

**Junior**

- **Fall**: BIO 355
- **Spring**: BIO 337
- **Summer**: SF Elective

**Senior**

- **Fall**: BIO UD-Elective
- **Spring**: BIO UD-Elective

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**Bold** = must take courses & pass before applying  
**Green** = Undergraduate courses  
**Orange** = Graduate Courses

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Minimum Units required for Bachelors = 120  
Minimum Units required for Masters = 33

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Apply to SF Scholars

- Completed 60 units and 16 BIO units  
  - 3.0 GPA

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**Students must meet with their advisor prior to registering for courses. This roadmap is designed for general planning ONLY! Roadmaps for more than 5 years plan may vary please consult with your department.**