Students must meet with their advisor prior to registering for courses. This roadmap is SF State Scholars designed for general planning ONLY! Roadmaps for more than 5 years plan may vary please Bold= must take courses consult with your department. & pass before applying *Tentative*Biology: Marine Science + **Interdisciplinary Marine and Estuarine Green= Undergraduate courses Orange= Graduate Courses Sciences Roadmap Sophomore **Junior** Senior Graduate Freshman Fall **Spring** Fall Spring Fall **Spring** Fall **Spring** Fall Spring Summer Summer Summer SF **CHEM 130** CHEM SF Elective **BIO UD-**Graduate core **BIO 230 BIO 240 BIO 355 BIO 337** SF Elective BIO UD-Graduate Elective 215/216 BIO 883 Elective Elective Seminar BIO 863/GEO or SF Area A2 CHEM 857/ERTH **BIO 458** Major SF Elective Graduate core **BIO UD-**(ENG 114) 115 Elective **PHYS** Math 227 SF Elective 795/Equivalent Elective Elective **MSCI 715** 11/112 or PHYS MATH Area A 121/122 Major Area C Graduate core Graduate core 226 **SF Elective** Graduate core (8-9 Units) BIO 883 Elective **MSCI 718 MSCI 717** Area A Area E Area C Area C Area UD-C SF Elective BIO 898/GEOG Graduate core BIO/CHEM/ER **BIO 708** 857/ERTH **MSCI 718** TH 897 or SF 898/CHEM 898 Area D Area D SF Elective Area UD-D **GEOG 896** Elective BIO/CHEM/ER (1 unit) Graduate core Graduate TH 897 or Seminar **MSCI 709** Area D 15 Units 6 Units 16 Units 14 Units 16 Units 6 Units **GEOG 896** BIO 863/GEO (88-89 (103-104 (109-110 857/ERTH 795 7-8 Units total) total) total) 9-12 Units (14 total) (30 total) (36 total) (146 -151total) (153-159 total) 14-15 16 Units 6 Units 15 Units 13-14 Units **Apply to SF Scholars** Units (124-125 total) (137-139total) (66-67 (72-73 (52 total) Completed 60 units total) total) 3.0 GPA Minimum Units required for Bachelors =120

and 16 BIO units

Minimum Units required for Masters = 33