

As of February 8, 2023

2023-2024 Degree Map B.S. Biology – Pre-Professional Studies
School of Natural Sciences and Mathematics | Stockton University
USC1 – 240 | (609) 652-4546

This is a suggested plan of study for completion of this degree program. The goal of a Degree Map is to ensure that students graduate with no greater than 128 credits and in four years.

- x All students should speak with their preceptor about their academic program. Students are advised to reference their Degree Work for information about their program's At-Some-Distance and Cognate courses.
- x Transfer students may not need to take all courses in the plan; they should consult with an academic advisor.

FIRST YEAR – FALL SEMESTER	
BIOL 1200/1205 Cells & Molecules w/lab	5 credits
CHEM 2110/2115 Chemistry I: General Principles w/lab Attribute: Q2	5 credits
MATH 1100 Precalculus ¹ Attribute: Q1 FRST or Gcourse Attribute:	4 credits

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FOURTH YEAR – FALL SEMESTER	
BIOL 3170 Microbiology [recommended] OR BIOL 3XXX -4XXX	4 credits
BIOL or other NAMS elective ^{8,9,10}	4 credits
Ecology (Plants) course ¹¹	4 credits
ASD or G-course Optional Attributes: W, A, H, I, R, and/or V	4 credits
Total Course Load as of Fourth Year Fall Semester	112-114 credits

FOURTH YEAR – SPRING SEMESTER	
BIOL or other NAMS elective ^{8,9,10}	4 credits
BIOL or other NAMS elective ^{8,9,10}	4 credits

Program Specific Notes

*Credit for BIOL 1200/05, 1400/05, 2600, and 2110/2115 [Q2] may only be earned with a C grade or higher. Students must have a minimum overall 2.0 GPA for all NAMS courses. No biology core or cognate course may be taken P/NC and be counted toward any degree track in biology.

2. Dependent on first year math competency placement. MATH 1100 Precalculus [Q1] is a prerequisite for BIOL 2110/2115 Genetics [Q3]. Since CHEM I [Q2] and IV [Q2] are 'General Chemistry' and CHEM II and III are 'Organic Chemistry', students may proceed to either CHEM II or IV after taking CHEM I with lab.
3. Recommended in the Spring term of the second year.
4. MATH 2215 Calculus I [Q1] is a required prerequisite for PHYS 2220/25 Physics I [Q1] (may be taken concurrently). MATH 2216 Calculus II [Q1] is a required prerequisite for PHYS 2230/35 Physics I [Q1] (may be taken concurrently).
5. Recommended in the third year but may be taken in the second or fourth year.
6. PSYC 1100 Introduction to Psychology and SOCY 1100 Introduction to Sociology [I] are strongly recommended in preparation for the MCAT.
7. Biochemistry is the second highest-tested natural science subject found on the MCAT, just after biology. It is therefore critical for success on the MCAT.
8. Courses may be from: BCMB, BIOL, CHEM, CPLS, ENVL, GEOL, MARS, MATH, PHYS, SUST, or other courses approved by preceptor.
9. Upper-Level biology requirement. Biology majors must take at least 12 credits of upper-level biology (BIOL 3000-4999) at Stockton. Since CHEM 3250 Biochemistry and BIOL 3170 Microbiology count towards this requirement, students who take both of those courses

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need only 4 more upper-level biology credits. This requirement could potentially be fulfilled by the same course that satisfies the Ecology (Plants) requirement (see table). Independent studies may not be used for this requirement. -BIOL courses that are allowed to meet this requirement include: BIOL 3242, PH 102, SO 345, MARST 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.