

Associate Fisheries Scientist

Academic requirements for certification by the American Fisheries Society (AFS). **SDSU's basic curriculum meets all of the requirements.** SDSU courses that address the requirements are shown in parentheses – only courses needed to meet minimum requirements are shown. All hours are semester hours. **Only grades of C or better count for AFS certification.** Go to the AFS homepage for more specific information on certification.

1. Fisheries and aquatics courses – 12 hrs. (WL 220, WL 230, WL 367-367L, WL 412-412L)
 2. Other biological science courses that total 30 hrs. when added to the above courses (BIOL 101-101L, BIOL 103-103L, BIOL 311, WL 363-363L, ZOOL 355-355L, WL 411-411L)
 3. Physical science courses – 15 hrs. (CHEM 112-112L, CHEM 120-120L, PHYS 101-101L, and Physical Science Elective)
 4. Math and statistics courses – 6 hrs. (MATH 121-121L, STAT 281)
 5. Communications courses – 9 hrs. (Department requires 14 to 15 hrs.)
 6. Human dimensions courses – 6 hrs. (WL 430-430L, ABS 475-475L)
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Federal General Schedule (GS) Series

The following General Schedule (GS) 400 Series (Biological Science) are ones that Wildlife and Fisheries Sciences majors qualify for with our basic requirements or can be met with some minimal additional coursework. Students can search the worldwide web, using something like Google, to ascertain specific course requirements for each series. Search for GS-(number) to do this. You need to be aware of what is required for each. This is your responsibility.

GS-401 General Biological Science
GS-404 Biological Science Technician
GS-408 Ecology Series (9 hrs. of ecology required)
GS-410 Zoology
GS-458 Soil Conservation Technician
GS-480 Fish and Wildlife Administration
GS-482 Fishery Biology
GS-485 Wildlife Refuge Management
GS-486 Wildlife Biology

Associate Wildlife Biologist

Academic requirements for certification by The Wildlife Society (TWS). **SDSU's basic curriculum meets all of the requirements.** SDSU courses that address the requirements are shown in parentheses – only courses needed to meet minimum requirements are shown. All hours are semester hours. Go to the TWS homepage for more specific information on certification.

1. Biological Science – 36 total hrs.
 - a. Wildlife Management – 6 hrs. (WL 220, WL 230, WL 411-411L)
 - b. Wildlife Biology – 6 hrs. (WL 363-363L, ZOOL 355-355L)
 - c. Ecology – 3 hrs. (BIOL 311)
 - d. Zoology – 9 hrs. (BIOL 371, WL 367-367L, BIOL 101-101L – 1.5 hrs., BIOL 103-103L – 1.5 hrs.)
 - e. Botany – 9 hrs. (BIOL 101-101L – 1.5 hrs., BIOL 103-103L – 1.5 hrs., BOT requirements 6-8 hrs.) (One course must deal with plant taxonomy or identification.)
 2. Physical Science – 9 hrs. in two disciplines (CHEM 112-112L, CHEM 120-120L, PHYS 101-101L)
 3. Quantitative Science – 9 hrs.
 - a. Basic Statistics – 3 hrs. (STAT 281)
 - b. Quantitative Science – 6 hrs. (MATH 121-121L, CSC 105)
 4. Humanities and Social Sciences – 9 hrs. (SDSU requires 15 hrs.)
 5. Communications – 12 hrs. (Department requires 14 to 15 hrs.)
 6. Policy, Administration, and Law – 6 hrs. (WL 430-430L, ABS 475-475L)
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