



Wildlife and Fisheries

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| Career Cluster | Agriculture, Food and Natural Resources |
| Course Code | 18501 |
| Prerequisite(s) | None |
| Credit | 0.5 - 1 |
| Program of Study and Sequence | Cluster course – Fundamental Natural Resources – Wildlife and Fisheries – Capstone experience |
| Student Organization | National FFA Organization |
| Coordinating Work-Based Learning | Job shadowing, mentoring, internships, entrepreneurships, service learning, workplace tours, apprenticeship, school-based enterprises, Supervised Agricultural Experience (SAE) |
| Industry Certifications | OSHA 10 Hour Safety Certification (General Industry), National Career Readiness Certificate (NCRC) |
| Dual Credit or Dual Enrollment | https://sdmylife.com/images/Approved-CTE-Dual-Credit.pdf |
| Teacher Certification | Agriculture Food and Natural Resources Cluster Endorsement; Natural Resources & Environmental Sciences Pathway Endorsement; *Agriculture Education |
| Resources | |

Course Description:

Management of South Dakota’s wildlife and fisheries is critical to our future economic stability. Skills gained in this area will be beneficial to students seeking careers in the many facets of wildlife and fisheries. The Wildlife and Fisheries course addresses the biological and environmental issues related to wildlife and fisheries management within our state. Classroom and laboratory content may be enhanced by utilizing appropriate equipment and technology. Biology, English and human relations skills will be reinforced throughout the course. Work-based learning strategies appropriate for this course are school-based enterprises and field trips. Opportunities for application of clinical and leadership skills are provided by participation in FFA activities, conferences and skills competitions such as the Natural Resources Career Development Event or related proficiency award areas. All students are expected to maintain a Supervised Agricultural Experience program.

Program of Study Application

Wildlife and Fisheries is a second pathway course in the Agriculture, Food and Natural Resources cluster, Natural Resources and Environmental Science Systems pathway. Wildlife and Fisheries would follow Fundamental Natural Resources and would prepare a student to participate in a capstone experience.

Course Standards

WF 1 Demonstrate the importance of fish and wildlife management, including their respective habitats.

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| Two Skill/Concept | WF 1.1 Demonstrate understanding of natural resource components to the management of wildlife and fish. |
| One Recall | WF 1.2 Identify fish and wildlife species. |
| Two Skill/Concept | WF 1.3 Identify healthy habitat for wildlife and fish. |

WF 2 Identify economic and social issues related to fish and wildlife

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| Two Skill/Concept | WF 2.1 Discuss hunting/harvesting fish and wildlife species as a management technique. |
| Two Skill/Concept | WF 2.2 Investigate processing techniques to use game and fish as food sources. |
| Three Strategic Thinking | WF 2.3 Demonstrate safety practices related to hunting and fishing activities. |
| Two Skill/Concept | WF 2.4 Investigate impact of invasive species on wildlife and fisheries. |

WF 3 Compare life patterns of fish and wildlife.

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| One Recall | WF 3.1 Identify seasonal rituals of fish and wildlife species. |
| Three Strategic Thinking | WF 3.2 Diagnose wildlife and fish diseases. |
| Four Extended Thinking | WF 3.3 Create a plan to mitigate wildlife and fish diseases. |

WF 4 Investigate careers in wildlife and fisheries conservation.

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| Two Skill/Concept | WF 4.1 Locate, identify, research and interpret career information. |
| Two Skill/Concept | WF 4.2 Compare and contrast characteristics of various careers. |

WF 5 Develop employability skills related to the Animal Systems Pathway.

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| Two Skill/Concept | WF 5.1 Develop soft skills to enhance employability. |
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