

Education and Training -- Research Scientist 2 and Natural Resources Specialist Int/Sr – Fish Research

Degree Required: MS/MA degree in biology, fish management, wildlife management, zoology, or closely related area required.

Minimum course requirements

Fisheries and aquatic sciences courses. A minimum of 4 courses, for a total of 12 semester or 18 quarter hours. Of the 4 courses, at least 2 must be directly related to fisheries science, and at least 1 must cover principles of fisheries science and management. Other biological sciences courses that, when added to the preceding courses, total 30 semester or 45 quarter hours.

Physical sciences courses. Fifteen semester or 23 quarter hours.

Mathematics and statistics courses. Six semester or 9 quarter hours, including 1 college algebra and 1 statistics course or 2 statistics courses.

Communications courses. Nine semester or 13 quarter hours (3 semester or 5 quarter hours may be taken in communications-intensive courses if officially designated as such by the university or college).

Further requirements for the Research Scientist 2

Minimum 2 years experience at NR Specialist, Senior – Ecological Services/Fisheries/Wildlife level, or higher or equivalent Minnesota Class D Drivers license

Heavy lifting. Work in adverse weather and environmental conditions. Ability to maintain and operate equipment, such as boats, outboard motors, trailers, etc. Oral communication and writing skills sufficient to document completed research. Computer proficiency, including knowledge of databases, spreadsheets, and statistical programs, sufficient to analyze collected data and perform statistical analysis. Experience in presenting oral presentations and defending conclusions. Public relations skills sufficient to relate to meeting with groups at a lay terminology level. Established ability to prepare and review reports and papers on the results of research projects. Established ability to establish and maintain satisfactory working relationships. Ability to organize, execute and evaluate research activities independently and to correlate findings from a variety of scientific disciplines.

Considerable knowledge of scientific, experimental and research techniques.

Considerable knowledge of procedures involved in planning, executing, evaluating and reporting controlled experimental research in the biological sciences.

Considerable knowledge of current literature on research activities relating to aquatic sciences.

Proven analytical skills.

Desired skills:

Lead worker skills

Budgeting skills

Certification by America Fisheries Society as a Fisheries Professional

Ph.D. in biology, fish management, wildlife management, zoology, or closely related area required.

Simulation modeling expertise.