

## Criteria for Evaluating University Fisheries Programs

Fisheries science as a profession is fundamentally based in biological science but also involves many other disciplines. All fisheries professionals must have a broad understanding of the aquatic environment, the functioning of individual animals and their populations, the role of users of aquatic resources, and the responsibilities of fisheries professionals. In addition, competence in oral and written communication, an ability to work well with others, and an understanding of natural resource conservation in the context of other human activities is essential. This brochure has been produced by the American Fisheries Society to help students select university programs that will enable them to qualify for entry-level positions in fisheries. Students desiring to become fisheries professionals should evaluate prospective university programs by how well they address the indicated requirements for entry into the profession.

### BASIC QUALIFICATIONS FOR FISHERIES JOBS

All high-quality universities should provide you with a broad education in the humanities and basic sciences, enhance your abilities to be an independent and creative individual, and leave you with a continuing desire for additional education. In addition you should select a university program that provides instruction or experience with the following topics that are desired by employers of entry-level fisheries professionals. All topics listed are not equal; some may be acquired in one lecture or hour of experience, others are acquired over an entire college career. Although the list seems formidable, most high-quality university fisheries programs cover these topics:

- \* Physical, chemical, and biological processes (including population, community, and ecosystem processes) in aquatic environments (limnology or marine science, stream ecology)
- \* Concepts of natural resources management and related social and economic issues
- \* The scientific method, experimental design, and sampling procedures
- \* Fish ecology and biology, especially to understand fish growth, environmental requirements, food resources, reproduction, mortality, life history, movement, and distribution
- \* Estimation of fish population characteristics and assessment of the impact of fishing on fish populations
- \* Fish anatomy/morphology in order to identify species, sexes, and stomach contents; to mark fish; and to use anatomical structures for determining age
- \* Fish-sampling methods such as netting, electrofishing, marking/tagging
- \* Routine analysis of fish samples for length, weight, age, and sex
- \* Routine water-quality analysis and interpretation
- \* Identification of common aquatic invertebrates, algae, and vascular plants
- \* Library research and information retrieval
- \* Oral and written communication, public speaking, and public relations
- \* Basic statistics, word processing and computer analysis, management, and summarization of data
- \* Fundamentals of budget preparation, management, and employee supervision

Students who satisfy these requirements will qualify for most entry-level fisheries positions requiring a bachelor's degree. Some of this education and training may be obtained in course work, laboratory exercises, university-sponsored intern programs with employers, and part-time employment. You should select a university that provides field courses in the curriculum and promotes the opportunity for students

to work with faculty and graduate students on research projects and with agencies on internships.

## OTHER QUALIFICATIONS

Many employers also look for other important skills not typically obtained as part of the university education:

- \* Operation, routine maintenance, and simple repairs of vehicles, boats, and boat motors
- \* Construction skills (electrical, mechanical, carpentry, plumbing)
- \* Fishing and outdoor living skills
- \* First-aid skills

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## MASTER'S DEGREE

Individuals with master's degrees frequently apply for entry-level positions and tend to be more competitive than those with bachelor's degrees. University graduate programs in fisheries do not typically require undergraduate degrees in fisheries. Students with science-based undergraduate degrees may pursue a fisheries career by obtaining a master's degree in fisheries. A master's degree program should provide greater depth of understanding of the items listed for the bachelor's degree, as well as the following:

- \* Experience in the design, implementation, and evaluation of fishery management and research programs
- \* Knowledge of the design and implementation of fish population and community surveys
- \* Ability to write technical and scientific reports and publications

## SPECIALIZATION

Many fisheries professionals choose to specialize in certain areas related to fisheries. Two areas in which bachelor's degree graduates may find entry-level positions are water quality and aquaculture (fish culture/hatchery management).

### Water Quality

If you want to specialize in water quality, make sure the university program can offer you education in the following topics in addition to many of those above:

- \* Environmental toxicology
- \* Environmental assessment principles and procedures
- \* Environmental laws and regulations
- \* Pollution abatement methods
- \* Analytical chemistry principles and procedures
- \* Watershed management
- \* Basic hydrology and hydraulic engineering

### Fish Culture

If you wish to specialize in fish culture, make sure the university program can provide you with classroom or laboratory training in:

- \* Principles and operation of aquaculture systems including water-quality management
- \* Reproduction, selective breeding, genetic principles, and artificial spawning techniques
- \* Common fish diseases and treatment techniques
- \* Fish behavioral responses in aquaculture systems
- \* Basic nutrition
- \* Harvest techniques
- \* Microeconomics and marketing
- \* Laws and regulations pertaining to aquaculture
- \* Hatchery and business management techniques

Examples of other fisheries specializations include fish health, genetics, and physiology, as well as fisheries statistics, bioengineering, and socioeconomics. These specializations are typically achieved by obtaining an advanced degree after acquiring the basic fisheries background. In some cases, individuals who have obtained their primary education in the specialization apply that expertise to fisheries problems.

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#### QUESTIONS YOU SHOULD ASK

There are a number of questions that students should ask to determine whether a university program is likely to provide them with the required knowledge and abilities for the general or specialized fisheries positions.

- \* Does the university teach the courses required for professional certification?
- \* Does the content of the fisheries/aquatics courses cover the topics needed to qualify for entry-level positions?
- \* Are intern programs, field courses, and relationships with natural resource management agencies sufficient for students to gain practical experiences?
- \* Are the fisheries faculty active in research, and do they provide students with opportunities for research experience and interaction with graduate students?
- \* Do the faculty publish research articles and maintain membership in the American Fisheries Society and other aquatics-oriented professional societies so that they are up-to-date on advances in the profession?
- \* Is there a fisheries student organization to provide opportunities outside of the classroom for interaction among students with common interests?
- \* Are there several fisheries scientists on the faculty to provide students with a broad spectrum of views?
- \* Are class sizes small, and are there good opportunities to interact with faculty on a formal and informal basis?
- \* What is the program's record in placing students in fisheries/aquatics jobs?

Availability of these opportunities in a university program does not ensure a high-quality education, but their absence is likely to result in a less-than-satisfactory education

## FISHERIES-RELATED PROGRAMS AT NORTH AMERICAN COLLEGES AND UNIVERSITIES

Schools are listed alphabetically, by state and then by institution. Departments offering named degree(s) in fisheries are indicated by \* preceding the institution name, while + indicates the presence of a Cooperative Fishery Research Unit at that institution. Many other institutions offer program options in fisheries under another named degree (e.g., biology, wildlife, marine affairs, forestry, or natural resources). The number of faculty listed includes only faculty in the named department with fisheries-related teaching/research interests. Prospective students should contact departments directly to ascertain present program structure and emphasis. Website addresses are included where available.

### ALABAMA

\* \*+Auburn University, Department of Fisheries & Allied Aquaculture, Auburn, AL 36830. BS, MS, PhD; 30 Faculty. Email: [icaae@acesag.auburn.edu](mailto:icaae@acesag.auburn.edu); Web: <http://www.ag.auburn.edu/dept/faa/>

\* University of Alabama, Biology Department, University, AL 35486. BS, MS, PhD; 3 Faculty. Web: <http://www.as.ua.edu/biology/>

\* University of South Alabama, Department of Biological Sciences, Life Sciences Building, Room 124 Mobile, AL 36688-0002. BS, MS; 4 Faculty. Web: <http://www.southalabama.edu/biology/>

### ALASKA

\* \*Sheldon Jackson College, Division of Science & Mathematics, Sitka, AK 99835. BS; 10 Faculty. Contact: Mel Seifert; Phone: (907) 747-5253 Fax: (907) 747-5254; e-mail: [ms@sj-alaska.edu](mailto:ms@sj-alaska.edu); Web: <http://sj-alaska.edu/index.htm>, <http://www.sheldonjackson.edu/>

\* \*+University of Alaska, School of Fisheries & Ocean Sciences, Fairbanks, AK 99775. BS, MS, PhD; 25 Faculty. Email: [fysfos@uaf.edu](mailto:fysfos@uaf.edu) Web: <http://www.sfos.uaf.edu/fishdiv/{mospagebreak}>

### ARIZONA

\* Arizona State University, Department of Biology, Tempe, AZ 85287-1501. BS, MNS, MS, PhD; 6 Faculty. Contact: Paul C. Marsh; Phone: (602) 965-2977; Fax: (602) 965-2519; e-mail: [fish.dr@asu.edu](mailto:fish.dr@asu.edu); Web: <http://lsvl.la.asu.edu/biology/>

\* \*+University of Arizona, School of Renewable Natural Resources, Tucson, AZ 85721. BS, MS, PhD; 3 Faculty. Web: <http://www.srn.arizona.edu/>

### ARKANSAS

\* \*Arkansas Tech University, Fisheries & Wildlife Biology Program, Russellville, AR 72801. BS; 3 Faculty. Contact: Dr. Charles Gagen; Phone: (501) 964-0814; Fax: (501) 964-0814; e-mail: [charlie.gagen@mail.atu.edu](mailto:charlie.gagen@mail.atu.edu); Web: <http://pls.atu.edu/biosci/fw/index.htm>

\* University of Arkansas, Department of Environmental Health Science, Little Rock, AR 72204. BS; 2 Faculty. Web: <http://www.ualr.edu/~ehsp/>

\* University of Arkansas, Forest Resources Department, Monticello, AR 71655. BS; 1 Faculty. Web: <http://www.afrc.uamont.edu/sfr/index.htm>

\* \*University of Arkansas at Pine Bluff, Aquaculture/Fisheries Center, Mail Stop 4912, Pine Bluff, AR 71601 BS, MS 15 Faculty. Web: <http://www.uaex.edu/aqfi/>; Email: [fisheries@uaex.edu](mailto:fisheries@uaex.edu)

\* +University of Arkansas, Department of Biological Sciences, Fayetteville, AR 72701. BS, MS, PhD; 4 Faculty. Web: <http://biology.uark.edu/bisc.html>

## CALIFORNIA

\* \*California Poly State University, Natural Resources Management Department, San Luis Obispo, CA 93407. BS, MS; 6 Faculty. Web: <http://urbanfor.cagr.calpoly.edu/nrm/>

\* California State University-Sacramento, RLS Department, 6000 J Street, Sacramento, CA 95819. BS, BA, MS, MA; 7 Faculty. Contact: Cary Goulard; Phone: (916) 278-6880; Fax: (916) 278-5053; e-mail: [goulardc@csus.edu](mailto:goulardc@csus.edu); Web: <http://www.hhs.csus.edu/RLS/>

\* \*+Humboldt State University, Department of Fisheries, Arcata, CA 95521. BS, MS; 8 Faculty. Contact: David Hankin; Phone: (707) 826-3683; Fax: (707) 826-3682; e-mail: [dhg1@axe.humboldt.edu](mailto:dhg1@axe.humboldt.edu); Web: [www.humboldt.edu/~fish](http://www.humboldt.edu/~fish)

\* San Diego State University, Department of Biology, San Diego, CA 92182 BS, BA, MS, MA, PhD; 1 Faculty. Web: <http://www.bio.sdsu.edu/>

\* San Francisco State University, Department of Biological Science, San Francisco, CA 94132. BS, BA, MA; 1 Faculty. Web: <http://www.sfsu.edu/~biology/>

\* San Jose State University, Department of Biological Sciences, 1 Washington Square, San Jose, CA 95192. BA, BS, MA, MS; 1 Faculty. Contact: Jerry J. Smith; Phone: (408) 924-4855; Fax: (408) 924-4840; e-mail: [Jsmith@Biomail.sjsu.edu](mailto:Jsmith@Biomail.sjsu.edu); Web: <http://www.sjsu.edu/depts/Biology/>

\* \*University of California, Department of Wildlife & Fisheries Biology, Davis, CA 95616. BS, MS, PhD; 4 Faculty. Web: <http://wfc.ucdavis.edu/>

\* University of California, Department of Biology, Los Angeles, CA 90024-1606. 2 Faculty. Web: <http://www.obee.ucla.edu>

## COLORADO

\* \*+Colorado State University, Department of Fish & Wildlife Biology, Fort Collins, CO 80523-1474. BS, MS, PhD; 6 Faculty. Web: <http://www.cnr.colostate.edu/FWB/>

## CONNECTICUT

\* \*University of Connecticut, Natural Resources Department, Storrs, CT 06268. BS, MS, PhD; 1 Faculty. Web: <http://www.canr.uconn.edu/hmre/index.html>. College of Agriculture and Natural Resources: <http://www.canr.uconn.edu>

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## DELAWARE

\* Delaware State College, Department of Agriculture & Natural Resources, Dover, DE 19901. BS; 1 Faculty. Web: <http://www.dsc.edu/schools/Agriculture/deptofagri.html>

## FLORIDA

\* Florida Atlantic University, Department of Biological Science, Boca Raton, FL 33431. MS; 1 Faculty. Web: <http://www.fau.edu/divdept/biology/>

\* Florida Institute of Technology, Department of Biological Sciences, 150 W University Boulevard, Melbourne, FL 32901. MS, PhD; 20 Faculty. Contact: Dr. Jon Shenker; Phone: (407) 674-8145; e-mail: [shenker@fit.edu](mailto:shenker@fit.edu); Web: <http://www.bio.fit.edu/>

\* \*+University of Florida, School of Forest Resources & Conservation, Gainesville, FL 32611. MS, MFRC, PhD; 10 Faculty. Web: <http://www.sfrc.ufl.edu/>

\* The University of Florida, Department of Fisheries and Aquatic Sciences, <http://fishweb.ifas.ufl.edu/>

\* +University of Miami, Rosentiel School of Marine & Atmospheric Studies, 4600 Rickenbacker Causeway, Miami, FL 33149. BS, BA, MS, MA, PhD; 20 Faculty. Contact: Susan MacMahon, Director of Graduate Studies; Phone: (305) 361-4155; Fax: (305) 361-4771; e-mail: [gso@rsmas.miami.edu](mailto:gso@rsmas.miami.edu); Web: <http://www.rsmas.miami.edu>

\* University of South Florida, Biology Department, 4202 E Fowler Avenue, Tampa, FL 33620-5150. BS, MS, PhD; 35 Faculty. Contact: Dr. Philip Motta; Phone: (813) 974-2878; Fax: (813) 974-3263; Web: <http://www.cas.usf.edu/biology/index.html>

\* University of West Florida, Biology Department, Pensacola, FL 32504. BS, MS; 8 Faculty. Web: <http://uwf.edu/biology/>

## GEORGIA

\* \*+University of Georgia, School of Forest Resources, Athens, GA 30602. MS, PhD; 6 Faculty. Web: <http://www.uga.edu/wsfr/>

## HAWAII

\* +University of Hawaii, Department of Zoology, Honolulu, HI 96822. MS, PhD; 3 Faculty. Web: <http://www2.hawaii.edu/natsci/#Departments>

## IDAHO

\* Idaho State University, Department of Biological Sciences, Pocatello, ID 83209. BS; 2 Faculty. Web: <http://www.isu.edu/departments/bios/>

\* \*+University of Idaho, Department of Fish and Wildlife Resources, Moscow, ID 83843. BS, MS, PhD; 8 Faculty. Web: <http://www.its.uidaho.edu/fishwild/>

## ILLINOIS

\* Eastern Illinois University, Department of Biological Sciences, Charleston, IL 61920. BS; 3 Faculty. Contact: Dr. Robert Fischer; Phone: (217) 581-2817; Fax: (217) 581-7141; e-mail: [cfruf@eiu.edu](mailto:cfruf@eiu.edu); Web: <http://www.eiu.edu/~biology/>

\* Loyola University of Chicago, Department of Biology, Chicago, IL 60626. BS, MS, PhD; 2 Faculty. Web: <http://www.luc.edu/depts/biology/>

\* \*Southern Illinois University, Department of Zoology, Carbondale, IL 62901. MS, PhD; 8 Faculty. Web: <http://www.science.siu.edu/zoology/index.html>

\* Western Illinois University, Department of Biological Sciences, Macomb, IL 61455. 2 Faculty. Web: <http://www.wiu.edu/users/mibiol/>

\* University of Illinois, Department of Ecology, Ethology, & Evolution, Urbana, IL 61801. BS, MS, PhD; 3 Faculty. Web: <http://www.life.uiuc.edu/eee/>

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## INDIANA

\* \*Ball State University, Aquatic Biology and Fisheries, Department of Biology, Muncie, IN 47306. BS, BA, MS, MA; 5 Faculty. Contact: Thomas S. McComish; Phone: (765) 285-8845; Fax: (765) 285-8804; e-mail: [tmccomis@bsu.edu](mailto:tmccomis@bsu.edu); Web: <http://www.bsu.edu/UP/cover.html>

\* Depauw University, Biological Sciences, Greencastle, IN 46135. BS; 1 Faculty. Contact: James Gammon; Phone: (765) 658-4780; e-mail: [jrgammon@depauw.edu](mailto:jrgammon@depauw.edu); Web: <http://www.depauw.edu>

\* \*Purdue University, Department of Forestry & Natural Resources, West Lafayette, IN 47907. BS, MS, PhD; 2 Faculty. Web: <http://www.fnr.purdue.edu>

## IOWA

\* \*+Iowa State University, Department of Animal Ecology, Ames, IA 50011. BS, MS, PhD; 7 Faculty. Web: <http://www.ag.iastate.edu/departments/aecl/>

## KANSAS

\* Emporia State University, Division of Biological Sciences, 1200 Commercial, Emporia, KS 66801. BA, BS, MS; 2 Faculty. Contact: David Edds; Phone: (316) 341-5622; Fax: (316) 341-6055; E-mail: [eddsdavid@esumail.emporia.edu](mailto:eddsdavid@esumail.emporia.edu); Web: <http://www.emporia.edu/biosci/biology.htm>

\* Fort Hays State University, Department of Biological Science, Hayes, KS 67601. BS, MS; 1 Faculty. Fax: (785) 628-4153; Web: <http://www.fhsu.edu/biology/index.html>

\* \*+Kansas State University, Division of Biology, Manhattan, KS 66506. BS, BA, MS, PhD; 2 Faculty. Web: <http://www.ksu.edu/biology>

\* Pittsburgh State University, Department of Biology, Pittsburgh, KS 66762. BA, BS, MS; 2 Faculty. Web: <http://www.pittstate.edu/biol/>

\* University of Kansas, Division of Biological Sciences, Lawrence, KS 66045-2106. MA, PhD; 3 Faculty. Contact: Ms. Berry Clemens; Phone: (785) 864-5887; Fax: (785) 864-5321; E-mail: [bclemens@falcon.cc.ukans.edu](mailto:bclemens@falcon.cc.ukans.edu); Web: <http://kuhttp.cc.ukans.edu/cwis/units/biol/biol.html>

## KENTUCKY

\* \*Eastern Kentucky University, Department of Biological Science, Richmond, KY 40475-0950. BS, MS; 6 Faculty. Contact: Dr. Patrick Ceas; Phone: (606) 622-1537; Fax: (606) 622-1020; E-mail: [bioceas@acs.eku.edu](mailto:bioceas@acs.eku.edu); Web: <http://www.biology.eku.edu/>

\* Morehead State University, Department of Biological & Environmental Sciences, Morehead, KY 40351. BS, MS; 3 Faculty. Web: <http://www.morehead-st.edu/colleges/science/biology/>

\* \*Murray State University, Department of Biological Sciences, Murray, KY 42071. BS, MS; 4 Faculty. Web: [http://www.mursuky.edu/qacd/cos/bio/bio\\_inf.htm](http://www.mursuky.edu/qacd/cos/bio/bio_inf.htm)

\* University of Louisville, Department of Biology, Louisville, KY 40292. BS, MS, PhD; 6 Faculty. Web: <http://www.louisville.edu/a-s/biology/>

## LOUISIANA

\* \*+Louisiana State University, Department of Biological Sciences, Baton Rouge, LA 70803. BS, MS, PhD; 10 Faculty. Web: <http://www.biology.lsu.edu/>

\* Louisiana Technological University, College of Applied and Natural Sciences, PO Box 10138, Ruston, LA 71270. BS, MS; 11 Faculty. Contact: Dr. James Dyer; Phone: (318) 257-4457; Fax: (318) 257-5061; E-mail: [jdyer@latech.edu](mailto:jdyer@latech.edu); Web: <http://www.ans.latech.edu/forestry-faculty.html>

\* Nicholls State University, Department of Biological Sciences, Thibodaux, LA 70301. BS; Faculty. Web: <http://www.nich.edu/biol/>

\* Northeast Louisiana University, Department of Biology, Monroe, LA 71209. BS, MS; 3 Faculty. Web: <http://www.ulm.edu/biology/biology.html>

\* Northwestern State University, Wildlife Management Program, Natchitoches, LA 71497. BS, MS; 5 Faculty.

\* Southeastern Louisiana University, Department of Biological Sciences, Hammond, LA 70402. BS, MS; 6 Faculty. Web: <http://www.selu.edu/Academics/Depts/Biology/>  
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## MAINE

\* University of Maine, Department of Zoology, Orono, ME 04469. BS, MS, PhD; 4 Faculty. Web: <http://www.umesci.maine.edu/biology/>

NOTE: U. of Maine has a new marine-type school, so above should be completely different.

\* University of Southern Maine, Department of Biological Science, Portland, ME 04103. 1 Faculty.

\* Unity College, Division of Environmental Programs, Quaker Hill Road, Unity, ME 04988. BS; 2 Faculty. Contact: David S. Potter; Phone: (207) 948-3131

## MARYLAND

\* \*Frostburg State University, Biology Department, Frostburg, MD 21532.

\* BS, MS; 3 Faculty.

\* \*University of Maryland, Appalachian Laboratory, Gunter Hall, Frostburg, MD 21532. PhD; 11 Faculty. Contact: Raymond P. Morgan II or Kenneth R. McKaye; Phone: (301) 689-3115; Fax: (301) 689-8518; Web: <http://www.umces.edu>

## MASSACHUSETTS

\* Southeastern Massachusetts University, Biology Department, North Dartmouth, MA 02747. BS, MS; 5 Faculty.

\* Northeastern University, Marine Science Center, Nahant, MA 01908. BS, MS, PhD; 5 Faculty. Contact: Sal Genovese; Phone: (781) 595-5597; Fax: (781) 581-6076; Email: [eastwest@lynx.neu.edu](mailto:eastwest@lynx.neu.edu); Web: <http://www.atsweb.neu.edu/msc/mschomepage.html>

\* Westfield State College, Department of Biology, Westfield, MA 01085. BS; 2 Faculty.

\* \*+University of Massachusetts, Department of Forestry & Wildlife Management, Amherst, MA 01003. BS, MS, PhD; 5 Faculty.

## MICHIGAN

\* Adrian College, Department of Biology, Adrian, MI 49221. 1 Faculty.

\* Central Michigan University, Biology Department, Mt. Pleasant, MI 48859. BS, MS; 4 Faculty.

\* \*Lake Superior State University, School of Natural and Health Sciences, Sault Ste. Marie, MI 49783. BS; 3 Faculty. E-mail: dmyton@gw.lssu.edu Web:

<http://www.lssu.edu/academics/science/schools/natural-sciences/default.html>

\* \*Michigan State University, Department of Fisheries & Wildlife, 13 Natural Resources Building, East Lansing, MI 48824. BS, MS, PhD; 28 Faculty. Contact: William W. Taylor; Phone: (517) 353-0647; Fax: (517) 432-1699; E-mail: taylorw@pilot.msu.edu; Web: <http://www.fw.msu.edu>

\* Michigan Technological University, Department of Biological Science, Houghton, MI 49855. 3 Faculty.

\* Northern Michigan University, Biology Department, Marquette, MI 49855. BS, MS; 1 Faculty. Contact: Philip A. Doepke; Phone: (906) 227-2812; Fax: (906) 227-1063

\* University of Michigan, School of Natural Resources and Environment, Ann Arbor, MI 48109-1115. BS, MS, PhD; 5 Faculty. Contact: James Diana; Phone: (313) 763-5834; Fax: (313) 936-2195; E-mail: jimd@umich.edu; Web: <http://www.snre.umich.edu>

## MINNESOTA

\* Bemidji State University, Department of Biology, Bemidji, MN 56601. BS; 2 Faculty.

\* St. Cloud State University, Math-Science Building, 720 4th Avenue South, St. Cloud, MN 56301-4498. BS; 3 Faculty. Contact: Steve Miller; Phone: (320) 255-2039; Fax: (320) 255-4166; Email: steve@statecloudstate.edu

\* Saint Mary's College, Biology Department, Winona, MN 55987. BA, MS; 3 Faculty.

\* University of Minnesota-Duluth, Department of Biology, 10 University Drive, Duluth, MN 55812. BS, MS; 1 Faculty. Contact: Lyle Shannon; Phone: (218) 726-7276; Email: lshannon@d.umn.edu

\* \*+University of Minnesota, Department of Fisheries & Wildlife, St. Paul, MN 55108. BS, MS, PhD; 9 Faculty.

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## MISSISSIPPI

\* \*+Mississippi State University, Department of Wildlife & Fisheries, Mississippi State, MS 39762. BS, MS, PhD; 7 Faculty.

\* University of Southern Mississippi, Department of Biological Science, Hattiesburg, MS 39406-5018. BS, MS, PhD; 18 Faculty.

\* University of Mississippi, Biology Department, University, MS 38677. MS, PhD; 5 Faculty.

## MISSOURI

\* Southwest Missouri State University, Department of Biology, Springfield, MO 65802. BS, BA, MS; 3 Faculty. Contact: Daniel W. Beckman; Phone: (417) 836-5980; E-mail: dw8760f@wpfate.smsu.edu; Web: <http://biology.smsu.edu/>

\* \*+University of Missouri, School of Forestry, Fisheries & Wildlife, Columbia, MO 65211. BS, MS, PhD; 5 Faculty.

## MONTANA

- \* \*+Montana State University, Biology Department, Bozeman, MT 59717.
- \* BS, MS, PhD; 5 Faculty.

## NEBRASKA

\* \*University of Nebraska, School of Natural Resource Science, 101 Plant Industrial Building, Lincoln, NE 68583-0814. BS, MS, 3 Faculty. Contact: Edward J. Peters; Phone: (402) 472-6824; Fax: (402) 472-2964; E-mail: epeters@unlinfo.unl.edu

## NEVADA

\* University of Nevada, Department of Biological Science, Las Vegas, NV 89154. BS, MS, PhD; 5 Faculty.

## NEW JERSEY

\* Rutgers University, Department of Biological Science, P.O. Box 1059, Piscataway, NJ 08854. BA, MS, PhD; 2 Faculty.

## NEW MEXICO

- \* Eastern New Mexico University, Department of Life Science, Portales, NM 88130. BA, BS, MA, MS; 1 Faculty.
- \* \*+New Mexico State University, Department of Fishery & Wildlife Science, Las Cruces, NM 88003-0003. BS, MS; 4 Faculty.

## NEW YORK

- \* City University of New York, Department of Biology, New York, NY 10031. MS, PhD; 4 Faculty.
- \* +Cornell University, Department of Natural Resources, Fernow Hall, Ithaca, NY 14853. BS, MS, PhD; 7 Faculty. Contact: Charles C. Krueger; Phone: (607) 255-2838; Fax: (607) 255-8837; E-mail: cck4@cornell.edu
- \* Southampton College, Biology Department, Southampton, NY 11968. BS, BA; 5 Faculty.
- \* State University College, Biology Department, Oneota, NY 13820. BS, BA, MA; 3 Faculty.
- \* State University of New York - Brockport, Department of Biological Sciences, Brockport, NY 14420-2973. BS, MS; 2 Faculty. Contact: James M. Haynes; (Phone: (716) 395-5783; Fax: (716) 395-2741; E-mail: jhaynes@acspr1.acs.brockport.edu; Web: <http://www.brockport.edu/biology>
- \* State University of New York, Biology Department, Fredonia, NY 14063. BS, MS; 2 Faculty.
- \* State University of New York, College of Environmental Science & Forestry, Syracuse, NY 13210. BS, MS, PhD; 4 Faculty.

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## NORTH CAROLINA

\* \*+North Carolina State University, Fisheries & Wildlife Science Program, Raleigh, NC 27695-7646. BS, MS, PhD; 15 Faculty. Contact: Richard L. Noble, Coordinator; Phone: (919) 515-7586; Fax: (919)

515-5110; Email: richard\_noble@ncsu.edu; Web: <http://www.ncsu.edu/ncsu/cals/>

\* University of North Carolina at Chapel Hill, Department of Marine Science, 12-7 Venable Hall, CB 3300, Chapel Hill, NC 28599-3300. MS, PhD; 10 Faculty. Contact: Francisco Werner; Phone: (919) 962-1252; Fax: (919) 962-1254; Email: [cisco@marine.unc.edu](mailto:cisco@marine.unc.edu)

\* Western Carolina University, Department of Biology, Cullowhee, NC 28723. BS, MS; 5 Faculty.

## NORTH DAKOTA

\* North Dakota State University, Department of Zoology, Fargo, ND 58105-5517. BS, BA, MS, PhD; 2 Faculty. Contact: Criag A. Stockwell; Phone: (701) 231-8449; Fax: (701) 231-7149; Web: <http://www.ndsu.nodak.edu/zoology/>

\* \*University of North Dakota, Department of Biology, Box 9019, Grand Forks, ND 58201. BS, MS, PhD; 17 Faculty. Contact: Steven W. Kelsch; Phone: (701) 777-4284; Fax: (701) 777-2623; E-mail: [kelsch@plains.nodak.edu](mailto:kelsch@plains.nodak.edu); Web: <http://www.und.nodak.edu/academics/departments/biology/dept.html>

## OHIO

\* John Carroll University, Department of Biology, University Heights, OH 44118. 1 Faculty.

\* Miami University, Department of Zoology, Oxford, OH 45056. BA, BS, MS, PhD; 4 Faculty.

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