REQUIREMENTS FOR THE MASTERS OF SCIENCES DEGREE
IN AVIAN SCIENCE

The following outlines the minimum requirements for the M.S. degree in Avian Science. Determination of the adequacy of a student's background, when necessary, will be done by the graduate advisor in consultation with the student and the student's major professor.

I. Admissions Requirements:

Completion of a Bachelor of Sciences or Bachelor of Arts program with a GPA of 3.0 (4.0 = A) or better including the following course work:

- Chemistry (at least 15 quarter credits)
- Mathematics (at least 8 credits)
- Statistics (at least 3 credits)
- Physiology (at least 3 credits)

Students may be admitted without 10 credits of the above requirements although these requirements must be completed as part of the course work for the M.S. degree unless waived by the Executive Committee for special reasons.

GRE scores are required or all students and TOEFL scores are required for foreign students.

II. University Requirements.

The University requirements for the M.S. degree are detailed in the Announcement of the Graduate Division, available free from the Graduate Division, or in the Avian Sciences Group office. Specific requirements include:

1) Students must be in residence and be enrolled in the graduate group for at least three quarters.

2) Ordinarily, all work for the Master's degree is done in residence. Work completed at another University, up to 6 units, may be credited to the degree in some special circumstances. Students enrolled in a double major may transfer up to 12 units from one program to another.

3) Only courses in the 100 and 200 series, completed with a grade of A, B, C, or S may be counted toward the requirement.

4) Student must maintain a GPA of 3.0.

5) Students are normally admitted to pursue a Plan I masters, though in some circumstances a student may be permitted to pursue a Plan II masters:

   Plan I. Requires completion of 30 units of course work and submission of a thesis. At least 12 of the 30 units must be graduate work (200 level) in the major subject area.

   Plan II. Requires completion of 36 units of course work and satisfactory performance on a comprehensive final examination. At least 18 of the 36 units must be graduate level (200 series) in the major subject area, and no more than 9 research units (299) may be used to satisfy the 18 unit graduate course requirement.
III. Graduate Group Requirements.

The student in consultation with the major professor and graduate advisor should choose a course and research plan that will meet their objectives.

The plan should be filed with the graduate advisor by the second quarter of the student's graduate work.

This plan should include any uncompleted Admission Requirements, the University Requirements listed above and the following Group Requirements:

1) Avian Biology
   a) AVS 100 Avian Biology (3) or WFC 111 Biology and Conservation of Wild Birds (3)
   b) AVS 290, Seminar - every Fall quarter enrolled in the graduate program (at least two quarters).

2) Avian Physiology
   NPB 117, Avian Physiology (3)
   NPB 217, Advanced Avian Physiology (1) offered concurrently with 117 - if previously taken 117, student must take 217.

3) General Avian Biology. At least 6 units from the following courses (or their equivalents as approved by the Graduate Advisor):

   AVS 103 Avian Development and Genetics (3)
   AVS 115 Raptor Biology (2)
   AVS 121 Avian Reproduction (2)
   AVS 123 Management of Birds (3)
   AVS 149 Egg Production Management (2)
   AVS 150 Avian Nutrition (1)
   AVS 160 Experiments in Avian Sciences (2)
   AVS 170 Advanced Avian Biology (4) I (even yr.)
   WFC 111L Laboratory in Biology & Conservation of Wild Birds (2) I
   WFC 136 Ecology of Waterfowl and Gamebirds (3) II
   PHR 220 Avian Medicine (3)
   PHR 222 Avian Immunology (3)
   PHR 225 Preventative Avian Medicine Practice (3)

4) Area of Emphasis. Student must choose one option and complete 6 units (Plan I) or 9 units (Plan II) of graduate study in one of these areas. Courses in these areas should be chosen in consultation with the major professor and graduate advisor:

   Cellular, Molecular, and Developmental Sciences
   Organismic Sciences
   Environmental Sciences

5) Additional coursework to total 30 units (Plan I) or 36 units (Plan II). In addition to courses recommended by the Graduate Advisor or major professor to cover disciplinary deficiencies, or contribute toward intellectual development (e.g., STA 106 or STA 108), the following courses/units may be used to fulfill this requirement:

   ANS 297 Supervised Teaching (2) I,II,III
   AVS 299 Research (variable) I,II,III
   ENG 104E Writing in the Professions: Science (4) I,II,III
EDU 398       Seminar in College Teaching (1-5)

6) At least 6 units (Plan I), or 9 units Plan II) of the University’s 200 level course requirements (see above) must be graded.

7) Students in Plan II must complete 9 units of research (299) under the guidance of a major professor. A written report of the research will be presented to the student’s major professor for evaluation.

In order to keep on track with the requirements outlined above each student is required to complete an annual Graduate Student Progress Report. This form will be available from the Graduate Program Assistant, at the student’s request.