To provide enhanced training in Conservation Biology to students who desire to enhance their career or prepare for doctoral studies.

Students will perform an extensive research project on which they will write their thesis. A flexible curriculum allows students to explore their specific interests. For more information, please visit the program website at *www.uu.edu/msconbio*.

- Bachelor's degree from accredited college or university; Official transcript(s) showing all course work, completion of baccalaureate degree(s), and all graduate credit previously attempted. Even if withdrawal occurred prior to earning credits and even if those credits do not apply to the current degree being sought, official transcripts must be sent from each institution.
- Minimum undergraduate GPA of 2.75.
- Minimum of 12 undergraduate hours in biology applicable to a biology major. Conservation biology, biology, environmental science, forestry, or related area is preferred.
- Laboratory Fees: A lab fee will be assessed for each lab course.
- Research assistantship includes the cost of tuition, up to 32 credit hours.
- General Student Fee: $20/hour
- Deposit: $500 (will be applied to your general student fees); due May 1 or within two weeks of acceptance of your application. The deposit is 100% refundable within 20 business days of the acceptance of your application, 50% refundable between 21 and 35 days after acceptance of your application, non-refundable after 35 days of acceptance of your application). No refunds of deposits will be given after July 1.

Study of physiological factors influencing the chemical and structural composition of plant absorption and utilization of water and minerals; photosynthesis, translocation, respiration, nitrogen metabolism; and growth and development. Physiology is the study of how plants function, including resource acquisition, energy creation and use, resource allocation, life cycle, and stress response. Three hours lecture and optional 3 hours laboratory/ week.

This course will focus on the identification and management of trees, focusing on forest ecology and silvicultural practices. The laboratory will include field trips that will focus on tree identification. Three hours lecture and optional 3 hours laboratory/week.

This course is designed to introduce the student to insects and their relationships with plants. Lecture will cover insect ecology, taxonomy, and biology, as well as plant strategies to overcome insect damage and mutualism between plants and insects. The laboratory and field portions of the class will involve insect collection and identification, along with the evaluation of positive and negative impacts of insects To8(i)sm y.8 .6547 Tmsfn ⊀Lang (ensaw5- 8 (p)0.5 (lpD1 y.r)-19.8 (tions 0 54 43ta0 10 54 492.)-6.8d-a ( )0