Genomics and Bioinformatics

Department Information

• **Program Director:**
  Phillip McClean, Ph.D.

• **Email:**
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• **Department Location:**
  Plant Sciences, Loftsgard Hall

• **Department Phone:**
  (701) 231-8443

• **Application Deadline:**
  International applications are due May 1 for fall semester and August 1 for spring and summer semesters. Domestic applicants should apply at least one month prior to the start of classes.

• **Credential Offered:**
  Ph.D., M.S.

• **English Proficiency Requirements:**
  TOEFL IBT 71, IELTS 6

Program Description

Genomics and Bioinformatics is an interdisciplinary graduate program that involves faculty from nine departments. Advanced research and study will focus on either functional or computation genomics. The program is designed to provide both M.S. and Ph.D. students the necessary skills and intellectual background to work cooperatively with others in a research area that takes a systems-wide approach to the study of the organization and expression of the many genes and their products expressed in an organism. Exposure to modern techniques and instrumentation will prepare the student for success in both industrial and academic careers.

Research

The student is required to perform original research in an area of genomics. This will be under the direction of the student's major adviser. To promote cross-disciplinary research, the student is encouraged to collaborate with a student in the other track. This does not apply to M.S. students pursuing the Comprehensive Study Option.