

**Honors College Requirements: Geology**  
**Departmental Honors Coordinator: Dr. Jacque Kelly**  
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**College/Departmental Honors Requirements**

- GEOL 4120: Introduction to Research (2 credit hours) *The process of research will be studied from the scientific method through the process of writing a scientific proposal. Construction of a technical paper and the technical oral presentation will be examined and practiced. Usages of geologic terms will be explained and learned. A proposal for a research paper will be selected or assigned, a proposal written and an oral presentation of the proposal research will be made. A minimum grade of "B" is required to continue in the research sequence. Prerequisite(s): Permission of instructor required.*
- GEOL 4830: Senior Thesis Research I (3 credit hours) *Students will complete a literature review and evaluation and conduct independent research as outlined in their research proposal formulated during Introduction to Research (GEOL 4120). Research is conducted under the direction of a faculty advisor and will lead to the completion of the senior thesis. Prerequisite(s): A minimum grade of "B" in GEOL 4120 and minimum GPA of 3.0.*
- GEOL 4831: Senior Thesis Research II (3 credit hours) *The process of scientific communication will be investigated and practiced through completion of a senior thesis project. This project includes both a written thesis and research presentation. Students will format a thesis manuscript suitable for publication in a professional journal, and design and deliver an oral presentation suitable for a professional conference. Prerequisite(s): A minimum grade of "B" in GEOL 4830.*

*\*GEOL 4120 and GEOL 4831 must be completed with a grade of B or higher*

*\*This is designed as a three semester sequence that is typically taken in the last three semesters.*

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**Recent Honors Graduate Theses in Geology**

- Jessica Ware - 2021  
Groundwater Flushing Time and Vegetation Health in a Georgia Salt Marsh  
Jacque Kelly
- Tanner Avery - 2018  
Temporal changes in submarine groundwater discharge in a Georgia salt marsh  
Mentored By: Jacque Kelly
- Jesse Carpenter-Spring 2017  
Locomotion and skeletal morphology of Late Cretaceous mosasaur, *Tylosaurus proriger*  
Mentored By: Katy Smith
- Anne Delua-Spring 2017

A Geophysical Investigation of Stratigraphy and Structure on St. Catherines Island, Georgia

Mentored By: Robert Kelly Vance