

Certificate in Paleontology

Certificates may be earned by regularly matriculated or extended learning students and denote successful completion of a prescribed program of study designed to:

1. impart specified professional/vocational/career competencies; or
2. produce mastery of the content of a sub-field of an academic major (discipline); or
3. provide exposure to the range of materials in a traditional or emerging interdisciplinary field.

Certain certificate programs contain 6000-level courses as requirements and/or electives. These 6000-level courses may not be taken by undergraduate students. Candidates must receive two-thirds of their certificate-applicable credit from the university. The transferring of credit or the substitution of courses may occur only after application to the appropriate campus authority.

The Paleontology Certificate is an interdisciplinary certificate program designed for students with an interest in Paleontology and coursework in Geological Sciences and Biology. The curriculum develops core competencies and technical skills central to the field of paleontology and prepares students for employment or graduate study in paleontology and paleontology-adjacent fields.

Pre-Requisites for the Certificate Program

BIOL 2020	Principles of Biology II	5
CHEM 2300	Organic Chemistry for Life Sciences	4
or CHEM 2400	Organic Chemistry I Lecture	
GEOL 1000	Introductory Geology	3
GEOL 1000L	Introductory Geology Laboratory	1

Certificate Requirements (21-25 units)

Core Courses (16)

GEOL 2000	Interpreting Earth Systems History: Stories from an Ancient Planet	4
GEOL 3300	Sedimentary Geology: Principles and Applications	4
GEOL 3500	Introductory Paleontology	4
BIOL 3421	Vertebrate Paleontology	4

Field Experiences (2-4)

Choose one course from the list below		2-4
GEOL 3100	Introduction to Geologic Mapping	
GEOL 3902	Advanced Field Geology	
GEOL 3902D	Advanced Field Geology - Dinosaur Excavation	
GEOL 3903	Advanced Field Geology	
ANTH 4020L	Archaeological Survey and Excavation	

Elective Courses (3-5)

Choose one course from the list below:		3-5
GEOL 3030	History of Life on Earth	
BIOL 3030	History of Life on Earth	
BIOL 3410	Biology of Invertebrates	

BIOL 3420	Comparative Biology of the Vertebrates
BIOL 3700	Evolution
ANTH 4501L	Human Osteology and Functional Anatomy
Total Units	21-25