



Exit

# Program of Study Request

**Form Id: 14007**

**Form Status: Process**

*Please take action on the form.*

This service has been developed initially to support the conversion of the university's course inventory from a quarters to a semesters curriculum. **Getting started ...**

### Type of Request:

New    Modify    Deactivate    Terminate    Quarter to Semester

For *Deactivate*, the program must be terminated no later than the conclusion of 7 years from the deactivation and all students must complete degree requirements by this date. The Registrar's Office will notify the department when all students have completed degree requirements of the deactivated program.

### Client Info

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**Department:** Geological Sciences

**Location:** Brehm Laboratory 260, 3640 Colonel Glenn

Expand    Collapse

Help

### Program of Study

EES - Teaching Earth & Environmental

Delete

Edit

**Effective Term:** Fall 2015

**Level:** Graduate

College of Science & Math

**Degree:** Certificate Program

**Major:** Teaching Earth & Environmental   \*New

**Minor:**

**Program:** Teaching Earth & Environmental   \*New

**Concentration:**

**Add'l Info:**

**Grad School Options**

- |   |   |
|---|---|
| <input type="checkbox"/> Graduate Curriculum Committee <sub>a</sub> | <input type="checkbox"/> Graduate Curriculum Committee <sub>b</sub> |
| <input type="checkbox"/> Notify Deans                               | <input type="checkbox"/> Notify Registrar                           |

**Approvals**

Activity	Role	Client	Status	Time
<b>Primary Route</b>				
Dept_Review	Dept of Earth & Environmental Sciences	David F. Dominic	Review	04/15/2015 17:20:57
CCC_Eval	GR Chair of College of Science & Math	Kimberly S. Hagler	Approve	04/16/2015 13:27:51
Dean_Review	Dean of College of Science & Math	Mark D. Mamrack	Review	04/21/2015 14:01:05
Grad_Eval	School of Graduate Studies		Pending	
<b>Office Route</b>				
Registrar_Proc	Registrar Office		Pending	

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3640 Colonel Glenn Highway - Dayton, Ohio - 45435

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## **Graduate Certificate: Teaching Earth and Environmental Sciences**

The Department of Earth & Environmental Sciences proposes to offer a graduate certificate in Teaching Earth & Environmental Science, which will enable qualified teachers to teach credit-bearing college courses in their high schools. The certificate requires 18 graduate credit hours within the discipline for completion. In our plan, teachers should be able to complete the certificate within two years.

We see a strong opportunity to help shape the mandated *College Credit Plus* curriculum of Ohio schools and so help set the standards for these courses in Ohio high schools. Because the required courses are delivered on-line and in short field based summer offerings, this certificate program has the potential to also serve teachers from throughout the United States who may need such a certificate to teach similar dual enrollment courses in their states. Teachers who complete the certificate will gain the opportunity to teach selected college-bound students in their programs and likely gain access to additional salary. Certificate courses will also count toward teachers' licensure renewal requirements and earn credit hours toward a Master of Science in Teaching (Earth Science) degree.

### **Program Requirements**

Students must complete the following program of courses. All are existing courses and are offered regularly online during the regular academic year or intensively during summer:

#### **Required Courses**

Four academic year on-line courses (3 credits each; 12 credits total):

EES 6470 Astronomy for Teachers

EES 6480 Plate Tectonics

EES 6150 Global Change for Teachers

EES 6230 Introduction to the Ocean

#### **Elective Courses**

Three from the following intensive summer field courses (2 credits each; 6 credits total):

EES 6170 Field and Laboratory Study of Coastal Processes

EES 6400 Glacial Geology

EES 6410 Physical Geology and Natural History of Ohio

EES 6010 Caves, Rivers and Earthquakes

**Total**            18 credit hours

#### **Continuation into a Degree Program**

Teachers will also be able to transfer the completed courses toward a Master of Science in Teaching (Earth Science) degree, if they are accepted into that degree program and subject to Graduate School policies.

#### **Transfer Credit**

Subject to university policy, the department may accept transfer credit of relevant graduate coursework.

#### **Resources Required**

No other departments are affected. No additional staffing, space, or computer and library resources are required.

#### **Effective Start Date**

Students could be enrolled in this certificate program as soon as it is approved. We hope to recruit students to begin Fall Semester 2015.

## Academic Program of Study

College:	Science and Mathematics
Department:	Earth & Environmental Sciences
Degree (A.A. B.S., B.F.A., etc.) & Title:	"graduate level"
Concentration, Track, Option, Specialization:	
Minor Program Title:	
Certificate Program Title:	Teaching Earth and Environmental Sciences

Current Program	Hours
No Current Program	
II.	
<b>Total:</b>	

Revised Program	Hours
<b>I. Required Courses</b>	12
EES 6470 Astronomy for Teachers (3)	
EES 6480 Plate Tectonics (3)	
EES 6150 Global Change for Teachers (3)	
EES 6230 Introduction to the Ocean (3)	
<b>II. Elective Courses</b>	6
<b>Three courses chosen from among the following:</b>	
EES 6170 Field and Laboratory Study of Coastal Processes (2)	
EES 6400 Glacial Geology (2)	
EES 6410 Physical Geology and Natural History of Ohio (2)	
EES 6010 Caves, Rivers and Earthquakes (2)	
<b>Total:</b>	18

**Notes:** Please provide additional information for program accuracy.