

**Senate Committee A: UNDERGRADUATE CURRICULUM**

**Monthly Meeting, January 12, 2023, 4:15pm**

Committee A has recommended for approval a new minor degree in *Engineering solutions for climate adaptation & resilience*.

**OLD DOMINION UNIVERSITY**

PROGRAM FOR A NEW MINOR WITH THE DISCIPLINE OF RELIGION

[REDACTED]

[REDACTED]

[REDACTED]

**OR SIGNIFICANT CHANGES TO AN EXISTING MINOR**

[REDACTED]

[REDACTED]

[REDACTED]

7 Resources needed, including human resources, library resources, faculty resources, and

[REDACTED]

[REDACTED]

funding resources:

Two new courses will be included in the minor. One faculty from CEE and CET will be needed to teach the new courses. 2 lead hours. The minor will be implemented

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Date

## ADMINISTRATIVE CODING

Effective Term

Major Code

College

Degree Code

Department





2 - After satisfying 6 cr hrs of R&A minor required courses, student to receive a R&A minor degree. For CEE students only, if CEE student ~~hrs of their electives~~ courses will be double-counted toward one's CEE curriculum credit

3 - For CEE students only, if a CEE student is double minoring in EE, can be applied to per minor and cannot be repeated to both. For toward R&A minor but such double-count cannot be repeated to and apply 3 cr hrs double-count toward R&A minor and apply the

minor credit sharing agreement.

Civil engineering majors completing the minor are limited to a maximum of 6 credits of CEE coursework.

Civil engineering technology majors completing the minor are limited to a maximum of 6 credits of CET coursework.



cr: hr @g  
st up to 6 cr.  
perceived by  
AA

can be  
double  
counted

6 cr hrs  
into 3  
credits  
each

**Catalog Class Description**

AP

pollution. Review of the pollution prevention. Study of source reduction methods, a conscientious manufacturing methods, process analysis, and water/energy conservation pollution prevention case studies.

Storm rainfall analysis, design rain analysis calculation procedures, detention basins models to analyze and design urban storm systems.

Description of water resources in a region. Determination of aquifer parameters from field data. Use of computer models to determine drawdowns.

of regional, national and international environmental development. Discussion of industrial activity and ecological concerns. Zero emissions, pollution prevention and environment.

Classical small amplitude wave theory, shallow water, shoaling, refraction, diffraction, breaking. Wave induced near shore current transport processes. Alternatives to mitigation processes. Introduction to coastal structures.

flooding in our neighborhood  
economy  
sea level rise systems,  
sea level rise



Hydrologic and Hydraulic prior operation and construction o addresses fundamental Hydro surface water including weat transpiration, runoff, infiltration, erosion, and sedimentation. distribution, use of water, an resource.

Hydrologic and Hydraulic prior operation and construction o elements of stormwater drain open channel and pipe flow, ; pertinent to state stormwater Preservation Act.

An investigation of emergency resilience and sustainability vulnerable, small-scale and project value by incorporating continuity of function, and An investigation of emergency resilience and sustainability vulnerable, small-scale and project value by incorporating continuity of function, and