



Program Approval Form

For approval of new programs and deletions or modifications to an existing program.

Action Requested:

☐ Create New (SCHEV approval required except for minors)
☐ Inactivate Existing
☒ Modify Existing (check **ALL** that apply)
☐ Title (SCHEV approval required except for minors)
☐ **Concentration** (Choose one): ☐ Add ☐ Delete ☐ Modify
☒ Degree Requirements
☐ Admission Standards/ Application Requirements
☐ Other Changes: _____

Type (Check one):

☐ B.A. ☐ B.S. ☐ Minor (req. C3 approval)
☐ M.A. ☐ M.S. ☐ M.Ed.
☒ Ph.D.
☐ Undergraduate Certificate* (req. C3 approval)
☐ Graduate Certificate*
☐ Bachelor's/Accelerated Master's ☐ Other: _____

College/School:

COS

Department:

AOES

Submitted by:

Barry Klinger

Ext:

3-9227

Email:

bklinger@gmu.edu

Effective Term:

Spring

2016

Please note: For students to be admitted to a new degree, minor, certificate or concentration, the program must be fully approved, entered into Banner, and published in the University Catalog.

Justification: (attach separate document if necessary)

See following pages.

Program Title: (Required)

Title must identify subject matter. Do not include name of college/school/dept.

Concentration(s):

Admissions Standards / Application

Requirements: (Required only if different from those listed in the University Catalog)

Degree Requirements:

Consult University Catalog for models, attach separate document if necessary using track changes for modifications

Courses offered via distance:

(if applicable)

TOTAL CREDITS REQUIRED:

Existing	New/Modified
Climate Dynamics PhD	
	Remove 1 class from requirements and add 2 classes to requirements.

*For Certificates Only: Indicate whether students are able to pursue on a

☐

Full-time basis

☐

Part-time basis

Approval Signatures

Department

Date

College/School

Date

Provost's Office

Date

Required for Minors and Interdisciplinary Programs

If this program may impact another unit or is in collaboration with another unit at Mason, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

Unit Name	Unit Approval Name	Unit Approver's Signature	Date

For Minors and UG Certificates only (Cross-College Curriculum Committee Approval)

C3 Committee Member

Provost Office

C3 Committee Approval Date

For Graduate Programs Only

Graduate Council Member

Provost Office

Graduate Council Approval Date

For Registrar Office's Use Only: Received _____ Banner _____ Catalog _____

revised 7/1/15

Program Proposal Submitted to the College of Science Curriculum Committee (COSCC)

The form above is processed by the Office of the University Registrar. This second page is for the COSCC's reference.
Please complete the applicable portions of this page to clearly communicate what the form above is requesting.

Program Title: Climate Dynamics PhD

Date of Departmental Approval: 24 November 2015

Summary of the Modification

Remove CSI 701 from "Core Computational Courses".

Add CLIM 762 Statistical Methods in Climate Research to "Core Computational Courses"

Add CLIM 751 Predictability and Prediction of Weather and Climate to "Fundamental Climate Science Courses". Reduce required elective credit from 24 to 21 credits.

Parts of degree requirements that are modified are listed in "Text Before Modification" and "Text After Modification" below.

Reason for the Modification

CSI 701 is expected to be inactivated. The statistical methods class teaches techniques that all climate scientists should know. The Predictability class addresses central scientific issues studied by most of the Climate Dynamics faculty in the department and should be understood by all graduates of the program.

Text before Modification (cyan text will be deleted)

Fundamental Climate Science Courses (12 credits)

-
- [CLIM 710 - Introduction to Physical Climate System](#) Credits: 3
 - [CLIM 711 - Introduction to Atmospheric Dynamics](#) Credits: 3
 - [CLIM 712 - Physical and Dynamical Oceanography](#) Credits: 3
 - [CLIM 714 - Land-Climate Interactions](#) Credits: 3

Core Computational Courses (9 credits)

-
- [CSI 690 - Numerical Methods](#) Credits: 3
 - [CSI 701 - Foundations of Computational Science](#) Credits: 3
 - [CLIM 715 - Numerical Methods for Climate Modeling](#) Credits: 3

Climate Seminar (3 credits)

-
- [CLIM 991 - Climate Dynamics Seminar](#) Credits: 1 (taken three times)

Electives (24 credits)

Text after Modification (modifications marked in red)

Fundamental Climate Science Courses (15 credits)

-
- [CLIM 710 - Introduction to Physical Climate System](#) Credits: 3
 - [CLIM 711 - Introduction to Atmospheric Dynamics](#) Credits: 3
 - [CLIM 712 - Physical and Dynamical Oceanography](#) Credits: 3
 - [CLIM 714 - Land-Climate Interactions](#) Credits: 3
 - [CLIM 751 Predictability and Prediction of Weather and Climate](#) Credits: 3

Core Computational Courses (9 credits)

-
- [CSI 690 - Numerical Methods](#) Credits: 3
 - [CLIM 715 - Numerical Methods for Climate Modeling](#) Credits: 3
 - [CLIM 762 – Statistical Methods in Climate Research](#) Credits: 3

Climate Seminar (3 credits)

-
- [CLIM 991 - Climate Dynamics Seminar](#) Credits: 1 (taken three times)

Electives (21 credits)
