Program Change Request

New Program Proposal

Date Submitted: 10/12/21 2:12 pm

Viewing: : Atmospheric Sciences, BS/Climate

Science, Accelerated MS

Last edit: 10/12/21 2:12 pm

Changes proposed by: jbazaz

Are you completing this form on someone else's behalf?

Yes

Requestor:

In Workflow

- 1. Registrar-Programs:Workflow Review
- 2. AOES Committee
- 3. AOES Chair
- 4. SC Curriculum Committee
- 5. SC Associate Dean
- 6. Assoc Provost-Graduate
- 7. Assoc Provost-Undergraduate
- 8. Registrar-Programs

Approval Path

- 10/14/21 12:33 pm Tory Sarro (vsarro): Approved for Registrar-Programs:Workflow Review
- 2. 10/15/21 9:23 am Barry Klinger (bklinger): Approved for AOES Committee
- 3. 10/15/21 9:56 am Mark Uhen (muhen): Approved for AOES Chair

Name	Extension	Email
Cristiana Stan	5391	cstan

Program Level:	Undergraduate & Graduate (BAMs)
Program Type:	Bachelor's/Accelerated Master's
Title:	Atmospheric Sciences, BS/Climate Science, Accelerated MS
Registrar's Office Use Only – Program Start Term	
Registrar/OAPI Use Only – SACSCOC Status	
Concentration(s):	
College/School:	College of Science
Department / Academic Unit:	Atmospheric, Oceanic, & Earth Sciences
Jointly Owned Program?	Yes
Participating Colleges	
Participating Departments	
Justification The extra technical sl government and indu	kills and experience embodied in an MS degree are useful for careers in ustry that would interest many Atmospheric Sciences students. The

government and industry that would interest many Atmospheric Sciences students. The Climate Science MS degree in particular is useful for students who want expertise in modeling or data analysis for meteorology or for the rapidly expanding field of climate science. The ability to obtain an MS degree with just one year of study beyond the BS makes both the Climate Science MS and the Atmospheric Sciences BS more attractive to potential students.

Catalog Published Information

Accelerated
Description/Dual
Degree
Description:

Atmospheric Sciences, BS/Climate Science, Accelerated MS

Overview

This bachelor's/accelerated master's degree program allows academically strong undergraduates with a commitment to advance their education to obtain both the <u>Atmospheric Sciences, BS</u> and the <u>Climate Science, MS</u> degrees within an accelerated timeframe. Upon completion of this 141 credit accelerated program, students will be exceptionally well prepared for entry into their careers or into a doctoral program in the field or in a related discipline.

Students are eligible to apply for this accelerated program once they have earned at least 60 undergraduate credits and can enroll in up to 18 credits of graduate coursework after successfully completing 75 undergraduate credits. This flexibility makes it possible for students to complete a bachelor's and a master's in five years. For more detailed information, see <u>AP.6.7 Bachelor's/Accelerated Master's Degrees</u>. For policies governing all graduate degrees, see <u>AP.6 Graduate Policies</u>. For more information on undergraduates enrolling in graduate courses, see <u>AP.1.4.4 Graduate Course Enrollment by Undergraduates</u>.

Application Requirements

Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in the <u>Graduate Admission Policies</u> section of this catalog. Important application information and processes for this accelerated master's program can be found <u>here</u>. Students should seek out the graduate program's advisor who will aid in choosing the appropriate graduate courses and help prepare the student for graduate studies.

Three letters of recommendation, including one from a prospective thesis or project advisor, are required. GRE scores are not required for students in this accelerated program.

Successful applicants will have an overall undergraduate GPA of at least 3.00.

Accelerated Option Requirements

After the completion of 60 undergraduate credits, students must submit a bachelor's/accelerated master's transition form (available from the <u>Office of the University Registrar</u>) to the College of Science's <u>Office of Academic</u> <u>and Student Affairs</u>.

At the completion of 75 undergraduate credits, students may begin completing up to 12 credits of graduate coursework that will count toward their bachelor's and master's.

Students must maintain an overall GPA of 3.00 or higher in graduate coursework and should consult with their faculty advisor to coordinate their academic goals.

Reserve Graduate Credit

Accelerated master's students may also take up to 6 graduate credits as reserve graduate credits. These credits do not apply to the undergraduate degree, but will reduce the master's degree by up to 6 credits. With 12 graduate credits counted toward the undergraduate and graduate degrees plus the maximum 6 reserve graduate credits, the credits necessary for the graduate degree can be reduced by up to 18.

Graduate Course Suggestions

The following list of suggested courses is provided for general reference. To ensure an efficient route to graduation and post-graduation readiness, students are strongly encouraged to meet with an advisor before registering for graduate-level courses.

<u>CLIM 511</u>	Atmospheric Dynamics 1	3
<u>CLIM 512</u>	Physical Oceanography 1	3
<u>CLIM 601</u>	Midlatitude Synoptic Meteorology 1	3
<u>CLIM 610</u>	Introduction to the Physical Climate System	3
<u>CLIM 614</u>	Land-Climate Interactions	3
<u>CLIM 631</u>	Urban Climate	3
<u>CLIM 670</u>	Earth System Modeling	3
<u>CLIM 680</u>	Climate Data	3
<u>CLIM 690</u>	Scientific Basis of Climate Change	3

1An undergraduate version of this course exists. Students in this accelerated master's program who wish to take a cross-listed graduate/undergraduate course as part of the MS program should take the graduate version of the course.

Program Outcomes

OAPI Use Only – Determination of SACSCOC Impact	
Comments or Notes	
Additional Attachments	
Reviewer Comments	
Additional Comments	
Is this course required of all students in this degree program?	

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