

Changes saved but not submitted

Viewing: : **Physics, BS/Applied and Engineering
Physics, Accelerated MS**

Last approved: 11/17/17 9:38 am

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History

1. Nov 17, 2017 by
clmig-jwehrheim

Catalog Pages [Applied and Engineering Physics, MS](#)
Using this Program [Physics, BS](#)

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

No

Effective Catalog: 2021-2022

Program Level: Undergraduate & Graduate (BAMs)

Program Type: Bachelor's/Accelerated Master's

Title: Physics, BS/Applied and Engineering Physics, 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:** Physics & Astronomy

**Jointly Owned
Program?** No

Justification

Updating this BAM pathway to accommodate the new policy revisions: 1. Ability to complete programs in 138 credits, 2. Admission into BAM program by at least 60 UG credits, 3. Begin

graduate coursework at 75 UG credits, 4. Allow 3-12 credits to be applied to the UG and GR degree, 5. Including a curated list of graduate courses.

Inserting a college "template" for BAM entries so that the college has consistent and clear messaging.

Catalog Published Information

Accelerated
Description/Dual
Degree
Description:

Physics, BS/Applied and Engineering Physics, Accelerated MS

Overview

This **bachelor's/accelerated master's degree** program allows academically strong undergraduates with a **demonstrable** commitment to research to obtain **both the the Physics, BS and Applied and the Applied and Engineering Physics, MS degrees within an accelerated timeframe. by successfully completing 144 credits.** Upon **completion of this 138 credit accelerated program, completion,** students **will be exceptionally well prepared are well-prepared** for entry into a professional **school, school** or a **PhD program in physics doctoral program,** or a related **discipline's doctoral program. discipline:**

Students Admitted students take selected graduate courses during their senior year and are eligible able to apply for this accelerated program once they have earned at least 60 undergraduate use up to 6 graduate credits and can enroll in up to 18 credits partial satisfaction of graduate coursework after successfully completing 75 undergraduate credits. requirements for the undergraduate degree. This flexibility makes it possible for students to complete a bachelor's and a master's in five years.

~~Upon completion and conferral of the bachelor's degree and with satisfactory performance (grade of 'B' or better) in each of the graduate courses, students are given advanced standing in the master's program and complete an additional 24 credits to receive the master's degree.~~ For more detailed information, see [AP.6.7](#)

[Bachelor's/Accelerated Master's Degrees](#). For policies governing all graduate degrees, see [AP.6 Graduate Policies](#). **For more information on undergraduates enrolling in graduate courses, see [AP.1.4.4 Graduate Course Enrollment by Undergraduates](#).**

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 [Graduate Admission Policies](#) section of this catalog. **Important application information and processes for this accelerated master's program can be found [here](#).**

Additionally, interested applicants should submit a letter to the undergraduate physics coordinator requesting admission along with the aforementioned recommendation letter(s). Successful applicants will have completed at least 90 credits toward their undergraduate degree and 45 credits in physics major coursework. The physics major GPA must be at least 3.50. One or more recommendation letters from one or more research supervisors are also required. Interested applicants should submit a letter to the undergraduate physics coordinator requesting admission along with the aforementioned recommendation letter(s). Contact the physics undergraduate or graduate coordinator for further details.

Successful applicants will have earned 60 undergraduate credits and have an overall GPA of at least 3.00. Additionally, they will have completed 45 credits in physics-major coursework. The physics major GPA must be at least 3.50.

One or more recommendation letters from one or more research supervisors are also required.

Interested applicants should submit a letter to the undergraduate physics coordinator requesting admission along with the aforementioned recommendation letter(s). Contact Reserve graduate credits do not apply to the physics undergraduate or graduate coordinator for further details. degree:

~~Accelerated Option Requirements At the beginning of the student's final undergraduate semester, students must submit a bachelor's/accelerated master's transition form to the College of Science's Office of Academic and Student Affairs. Students must begin their master's program in the semester immediately following conferral of the bachelor's degree. Students must maintain an overall GPA of 3.00 or higher in graduate coursework.~~ Accelerated Option Requirements

After the completion Reserve Graduate Credit While still in undergraduate status, a maximum of 75 undergraduate credits, students may complete 3 to 12 6 additional graduate credits of graduate coursework that can apply to both the undergraduate may be taken as reserve graduate credit and graduate degrees. applied to the master's program:

In addition to applying to graduate from Accelerated Option Requirements At the beginning of the student's final undergraduate program, semester, students in the accelerated program must submit a a bachelor's/accelerated master's transition form (available from to the College of Science's Office of the University Registrar) to the College of Science's Office of Academic and Student Affairs by the last day to add classes of their final undergraduate semester. Students should enroll for courses must begin their master's program in the master's program in semester immediately following conferral of the fall or spring semester immediately following conferral of the bachelor's degree, but should contact an advisor if they would like to defer up to one semester. degree:

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

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 degree 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.

PHYS XYZ

Course PHYS XYZ Not Found

Reserve graduate credits do not apply to the undergraduate degree.

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?

%wi_required.eshtml%

Key: 544