Program Change Request

New Program Proposal

Date Submitted: 05/24/19 10:26 am

Viewing: : Bachelor's Degree (selected), Bioinformatics Management, PSM

Last edit: 09/18/19 2:21 pm

Changes proposed by: jbazaz

Are you completing this form on someone else's behalf?	No
Effective Catalog:	2020-2021
Program Level:	Undergraduate & Graduate (BAMs)
Program Type:	Bachelor's/Accelerated Master's
Title:	Bachelor's Degree (selected), Bioinformatics Management, PSM
Registrar's Office Use Only – Program Start Term	
Concentration(s):	
College/School:	College of Science
Department / Academic Unit:	School of Systems Biology
Jointly Owned Program?	Yes

Participating Colleges

	College
1	College of Science

Participating Departments

	Department
1	School of Systems Biology
2	Biology
3	Computational & Data Sciences
4	Chemistry & Biochemistry
5	Physics & Astronomy

Justification

Creating an efficient pathway for students in various science majors to enter into the Bioinformatics Management, PSM.

Catalog Published Information

Accelerated Description/Dual Degree Description:

In Workflow

1. **Registrar-Programs:Workflow Review**
2. **SSB Program Chair**
3. **PHYS UG Committee**
4. **CDS Chair**
5. **CHEM Chair**
6. **PHYS Chair**
7. **BIOL Program Chair**
8. SC Curriculum Committee
9. SC Associate Dean
10. SC CAT Editor
11. Assoc Provost-Undergraduate
12. Assoc Provost-Graduate
13. Registrar:Create Code
14. Registrar-Programs: Duration
15. Registrar-Programs

Approval Path

1. 05/28/19 8:57 am Tory Sarro (vsarro): Approved for Registrar-Programs:Workflow Review
2. 08/07/19 12:39 pm Iosif Vaisman (ivaisman): Approved for SSB Program Chair
3. 09/11/19 3:02 pm Philip Rubin (prubin): Approved for PHYS UG Committee
4. 09/12/19 12:13 pm Jason Kinser (jkinser): Approved for CDS Chair
5. 09/16/19 5:10 pm Gerald

Overview

This degree option allows highly qualified George Mason University bachelor's students to earn a Bioinformatics Management, PSM degree in less time than if they had first graduated with a BS degree and then applied to the PSM program sequentially.

Admission and Processing Requirements

Students in the Biology, BS; Chemistry, BS; Computational and Data Sciences, BS; or Physics, BS with an overall GPA of at least 3.00 in their last 60 credits are welcome to apply to the Bioinformatics Management, PSM accelerated master's program. Applicants to this accelerated master's should have previously taken courses in molecular biology, computer science, calculus, physical chemistry, and statistics. Students with deficiencies in one or more of these areas may be required to take additional courses from the undergraduate curriculum.

The GRE requirement is waived for students accepted into this accelerated program.

By the beginning of the undergraduate student's senior year, they should submit a Graduate Application for Accelerated Master's Program form (obtained from the College of Science's Office of Academic and Student Affairs).

By at least the beginning of their senior year, students should seek out the Bioinformatics Management, PSM Program Director who will aid the student in choosing the appropriate graduate courses to take and help to prepare the student for graduate studies.

In their senior year, accelerated master's students must complete the two graduate courses indicated on their Accelerated Master's Program Application with a minimum grade of 3.00 in each course. They must maintain a minimum GPA of 3.00 in all coursework and in coursework applied to their major. In the semester specified on the application (around the completion and conferral of the undergraduate degree), students must submit the Bachelor's/Accelerated Master's Transition form (found on the Office of the University Registrar website) and will subsequently be admitted into graduate status.

Reserve Graduate Credits

Students admitted to this program may take graduate courses after completing 90 undergraduate credits, and up to 6 credits of appropriate graduate coursework may be used in partial satisfaction of the requirements for the undergraduate degree. If students earn at least a 3.00 GPA in these classes, they are granted advanced standing in the master's program and must then complete an additional 25 credits to receive the master's degree.

To apply these credits to the master's degree, students must request that the credits be moved from the undergraduate degree to the graduate degree using the Bachelor's/Accelerated Master's Transition form found on the Office of the University Registrar website (as noted above).

Students may take up to 6 additional approved graduate credits as reserve graduate credit. These credits do not apply to the undergraduate degree but will reduce the subsequent master's degree credits accordingly (e.g., with 6 credits counted towards undergraduate degree plus the maximum 6 reserve credits, the PSM could be completed with 19 post-bachelor's credits). The ability to take courses for reserve graduate credit is available to all high achieving undergraduates with the permission of the School of Systems Biology.

Policies

For more detailed information on accelerated master's in general, see AP.6.7 Bachelor's/Accelerated Master's Degrees.

For policies governing all graduate programs, see AP.6 Graduate Policies.

Weatherspoon (grobert1): Approved for CHEM Chair

6. 09/16/19 6:24 pm Paul So (paso): Approved for PHYS Chair

7. 09/16/19 9:13 pm Larry Rockwood (lrockwoo): Approved for BIOL Program Chair

Additional Attachments

Reviewer Comments

Additional Comments

Is this course required of all students in this degree program?

%wi_required.eschtml%

Key: 780