

Date Submitted: 12/05/18 1:50 pm

Viewing: **SC-CERG-PRSM : Personalized
Medicine Graduate Certificate**

Last approved: 12/04/18 1:00 pm

Last edit: 12/05/18 1:50 pm

Changes proposed by: jbazaz

Catalog Pages

Using this Program

[Personalized Medicine Graduate Certificate](#)

In Workflow

1. Registrar-
Programs:Workflow
Review
2. SSB Program Chair
3. SC Curriculum
Committee
4. SC Associate Dean
5. SC CAT Editor
6. Assoc Provost-
Graduate
7. Registrar-Programs

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

Yes

Requestor:

History

1. Nov 16, 2017 by
clmig-jwehrheim
2. Dec 4, 2018 by
Jennifer Bazaz
Gettys (jbazaz)

Name	Extension	Email
Ancha Baranova	4293	abaranov

Effective Catalog: 2019-2020

Program Level: Graduate

Program Type: Certificate

Degree Type: Graduate Certificate

Title: Personalized Medicine Graduate Certificate

Banner Title: **Personalized Medicine**

Registrar/OAPI Use Only – SCHEV Status Approved

Registrar’s Office Use Only –

**Program Start
Term**

**Registrar/OAPI Use
Only – SCHEV
Letter**

Concentration(s):

**Registrar/IRR Use
Only –
Concentration CIP
Code**

College/School: College of Science

**Department /
Academic Unit:** School of Systems Biology

**Jointly Owned
Program?** No

Justification

Removing the GRE/MCAT score admissions requirement.

Catalog Published Information

**Total Credits
Required:** Total credits: 15

Registrar's Office Use Only - Program Code:
SC-CERG-PRSM

**Registrar/IRR Use
Only – Program CIP
Code**

**Admission
Requirements:**

Admissions

University-wide admissions policies can be found in the [Graduate Admissions Policies](#) section of this catalog. To apply for this program, please complete the [George Mason University Admissions Application](#). Prospective students should hold an undergraduate GPA of 3.00 or current employment in clinical or translational research, diagnostics lab, or biological data analysis field.

To be considered for admission, applicants must submit the [George Mason University Admissions Application](#), all undergraduate transcript(s), three letters of recommendation, **and** a statement of **interest**. ~~interest, and GRE general scores or MCAT scores.~~

**Program-Specific
Policies:**

Policies

Students may not enroll initially in any College of Science master's or doctoral program and later transfer into this certificate program.

For policies governing all graduate programs, see [AP.6 Graduate Policies](#).

Premium Tuition

This certificate charges students a differential tuition rate of \$100 per credit hour, which is added to the standard graduate tuition rate (regardless of in or out of state status).

Degree Requirements:

This certificate may be pursued on a full-or part-time basis.

Students should refer to the [Admissions & Policies](#) tab for specific policies related to this program.

Required Core Courses

Course List		
Code	Title	Credits
Select 9 credits from the following:		9
BIOL 562	Personalized Medicine	
BIOL 566	Cancer Genomics	
BIOL 572	Human Genetics	
or BIOL 666	Human Genetics Concepts for Health Care	
BIOL 685	Emerging Infectious Diseases	
BIOS 743	Genomics, Proteomics, and Bioinformatics	
Total Credits		9

Electives

Course List		
Code	Title	Credits
Select 6 credits from the following:		6
BIOL 506	Selected Topics in Microbiology	
BIOL 508	Selected Topics in Animal Biology	
BIOL 553	Advanced Topics in Immunology	
BIOL 566	Cancer Genomics	

Code	Title	Credits
BIOL 568	Advanced Topics in Molecular Genetics	
BIOL 575	Selected Topics in Genetics	
BIOL 583	General Biochemistry	
BIOL 669	Pathogenic Microbiology	
BIOL 682	Advanced Eukaryotic Cell Biology	
BIOL 685	Emerging Infectious Diseases	
BIOL 691	Current Topics in Biology 1	
BIOL 695	Seminar in Molecular, Microbial, and Cellular Biology	
BIOS 701	Systems Biology	
BIOS 741	Genomics	
BINF 630	Bioinformatics Methods	
BINF 633	Molecular Biotechnology	
Up to 4 credits of BIOL 693 and/or BINF 796 . 1		

Total Credits 6

1Credit for these courses may only be applied toward the certificate's electives if the research topic is relevant to personalized or translational medicine.

Retroactive Requirements Updates:

Plan of Study:

Additional Program Information

This information is required by the Office of Accreditation and Program Integrity.

Courses offered via distance (if applicable):

Indicate whether students are able to pursue on a: Both Full and Part-time basis

What is the primary delivery format for the program? Face-to-Face Only

Does any portion of this program occur off-campus?
No

Are you working with a vendor / other collaborators to offer your program?

No

Related
Departments

Could this program prepare students for any type of professional licensure, in Virginia or elsewhere?

No

Are you adding or removing a licensure component?

No

Additional SCHEV & SACSCOC Information

Are you changing the total number of credits required for this program?

Are you changing the delivery format in any way (e.g adding an online option)?

Are you adding/removing a licensure option which was approved by SCHEV?

Will any portion of this program be offered at an off-campus location?

Are you adding significant new content areas to the program?

Will this program change affect any specialized accreditation?

Green Leaf Program Designation

Is this a Green Leaf
program? No

Does this program cover material which crosses into another department?

No

**Additional
Attachments**

[CERG-PRSM.pdf](#)

**Reviewer
Comments**

**Additional
Comments**

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

%wi_required.eshtml%