Program Change Request

New Program Proposal

Date Submitted: 03/14/18 2:41 pm

Viewing: **: Urban Informatics Minor**

Last edit: 03/14/18 9:23 pm

Changes proposed by: jbazaz

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

Yes

Requestor:

In Workflow

1. **Registrar-Programs:OAPI Workflow**
2. **GGS Chair**
3. **SC Curriculum Committee**
4. SC Associate Dean
5. CDS Chair
6. SC CAT Editor
7. Assoc Provost-Undergraduate
8. Registrar:Create Code
9. Registrar-Programs

Approval Path

1. 03/07/18 10:24 am Rebekah Zacharias (rzachari): Approved for Registrar-Programs:OAPI Workflow
2. 03/14/18 10:28 am Dieter Pfoser (dpfoser): Rollback to Initiator
3. 03/14/18 3:33 pm Priyanka Champaneri (pchampan): Approved for Registrar-Programs:OAPI Workflow

4. 03/14/18 9:24 pm
   Dieter Pfoser
   (dpfoser): Approved
   for GGS Chair

Name	Extension	Email
Dieter Pfoser	6029	dpfoser@gmu.edu

Effective Catalog: 2019-2020

Program Level: Undergraduate

Program Type: Minor

Title: Urban Informatics Minor

Is this a retitling of   No
an existing
program?

Registrar's Office
Use Only –
Program Start Term

College/School: College of Science

Department /   Geography & Geoinformation Science
Academic Unit:

Jointly Owned   No
Program?

Justification

With urban spaces becoming data-rich environments, the goal of this Minor in Urban
Informatics is to provide the students with the ability to use large-scale data from a variety of
sources to understand and address real-world challenges in the urban context. In combining
courses that address spatial analysis and mapping, data science, and social sciences, we provide
the student with the background necessary to investigate data-driven problems in relation to
urban scenarios. A capstone project will provide students with the opportunity to address a
real-world issue through focused study and applied research under the direction of a faculty
member and in collaboration with stakeholders.

Catalog Published Information

Total Credits   Total credits: 15
Required:

Registrar's Office Use Only - Program Code:

Registrar/IRR Use Only – Program CIP Code

Admission Requirements:

Program-Specific Policies:

Policies

Eight credits of coursework must be unique to the minor. For policies governing all minors, see AP.5.3.4 Minors.

Students must complete all coursework with a minimum GPA of 2.00.

For policies governing all undergraduate programs, see AP.5 Undergraduate Policies.

Degree Requirements:

Students should refer to the Admissions & Policies tab for specific policies related to this program.

Core Courses

Course List

Code	Title	Credits
CDS 303	Scientific Data Mining	3
GGS 306	Urban Geography	3
Total Credits		6

Electives

Course List

Code	Title	Credits
Select a total of two courses from two of the three different groups below:		6
Spatial Analysis and Mapping Group		
GGS 300	Quantitative Methods for Geographical Analysis	
GGS 311	Introduction to Geographic Information Systems	
GGS 357	Urban Planning	
GGS 462	Web Mapping	
GGS 463	Applied Geographic Information Systems	
Data Science Group		

Code	Title	Credits
CDS 201	**Introduction to Computational Social Science**	
CDS 292	**Introduction to Social Network Analysis**	
CDS 302	**Scientific Data and Databases**	
Social Science and Policy Group		
ANTH 382	**Urban Anthropology (Mason Core)**	
SOCI 332	**The Urban World (Mason Core)**	
USST 301	**Urban Growth in a Shrinking World**	
Total Credits		6

Capstone

Course List

Code	Title	Credits
Select one capstone course:		**3**
GGS 415	**Seminar in Geography**	
GGS 480	**GGS Internship**	
CDS 490	**Capstone Course in Computational and Data Science**	
CDS 491	**Internship**	
Total Credits		3

Does this program cover material which crosses into another department?

Yes

Impacted Departments

Department
Computational & Data Sciences
Sociology & Anthropology

Additional Attachments

Reviewer Comments

Dieter Pfoser (dpfoser) (03/14/18 10:28 am): Rollback: .

Additional Comments

Key: 710