DATA VISUALIZATION, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Requirements

Requirement	Credits
Requirements for the Minor	22-23

Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (https://senate.psu.edu/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code	Title	Credits
Prescribed Courses		
Prescribed Courses: Require a grade of C or better		
DIGIT 410	Data Visualization	3
Additional Courses		
Additional Courses: Require a grade of C or better		
COMM 406	Electronic News Gathering and Editing	3
or MIS 415	Social Media Management and Analytics	
GEOG 160	Mapping Our Changing World	3
or GEOG 260	Geographic Information in a Changing World: Introduction to GIScience	
PSYCH 200	Elementary Statistics in Psychology	4
or STAT 200	Elementary Statistics	
Select 3-4 credits from the following:		3-4
ART 102	Beginning Computer Aided Design for Artists	
PSYCH 246N	Human Factors in Design & Art	
ART 168	The Digital Medium	
DART 303	3D Studio	
COMM 270	Introduction to Multimedia Production	
GD 100	Introduction to Graphic Design	
Select 3 credits from the following:		3
CMPSC 101	Introduction to Programming	
CMPSC 121	Introduction to Programming Techniques	
CMPSC 201	Programming for Engineers with C++	
CMPSC 221	Object Oriented Programming with Web-Based Applications	
DIGIT 210	Large Scale Text Analysis	
IST 242	Intermediate & Object-Oriented Application Development	
IST 256	Programming for the Web	
IST 311	Object-Oriented Design and Software Applications	
Select 3 credits from the following:		3
COMM 310	Digital Media Metrics	
MIS 301	Business Analytics	
MIS 345	Introduction to Data Analytics	