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 Description
Combining aesthetic, statistical, analytical, and programming skills, data visualization transforms numerical patterns into visually attractive shapes, graphics, and contexts, revealing them in an easy to understand format.

What is Data Visualization?
Data Visualization is one of the fastest growing professions. Creating a well-designed and well-structured story with data helps executives and non-technical individuals understand meaning in their numbers. This type of visual storytelling creates insights for decision makers in government, insurance, banking, health care, research, and education.

You Might Like This Program If...
• You like analyzing data and interpreting its meaning.
• You excel at visual arts and/or graphic design.
• You think about how people respond to and interact with data.
• You see data as an opportunity to tell a story.

Program Requirements

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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
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**Prescribed Courses: Require a grade of C or better**
DIGIT 410 Data Visualization                     3

**Additional Courses: Require a grade of C or better**

Code    Title                                      Credits
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COMM 406 Electronic News Gathering and Editing   3
or      Social Media Management and Analytics     3
MIS 415                                        
GEOG 160 Mapping Our Changing World              3
or     Geographic Information in a Changing World: Introduction to GIScience 3
GEOG 260                                        
PSYCH 200 Elementary Statistics in Psychology    4
or     Elementary Statistics                      4
STAT 200                                       
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                                 


Academic Advising
The objectives of the university’s academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee’s unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (https://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy/)

Erie
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Career Paths
The minor in Data Visualization is open to students in any Behrend major. Students with a major in a data-intensive field such as MIS, science, psychology, or business would benefit from a Data Visualization minor. Professionals in this field work in data analytics studios and corporate and government settings.

Careers
A Data Visualization minor can make you a more competitive job candidate. Employers will value your ability to analyze complex and abstract information and translate it into an easy-to-understand format.
MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES WITH A MINOR IN DATA VISUALIZATION (https://behrend.psu.edu/Academics/academic-services/acpc/career-resources/)

Opportunities for Graduate Studies
Adding a specialized minor like Data Visualization will demonstrate your versatility to graduate programs, and your ability to create insights from complex data will be helpful as you pursue graduate studies.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (https://behrend.psu.edu/admissions-financial-aid/graduate-admissions/)

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https://behrend.psu.edu/school-of-humanities-social-sciences (https://behrend.psu.edu/school-of-humanities-social-sciences/)