

# PSYCHOLOGY: DATA SCIENCE IN HUMAN BEHAVIOR, MS

## REQUIREMENTS

### MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (<http://guide.wisc.edu/graduate/#policiesandrequirements>), in addition to the program requirements listed below.

### NAMED OPTION REQUIREMENTS MODE OF INSTRUCTION

Face to Face	Evening/ Weekend	Online	Hybrid	Accelerated
Yes	No	No	No	Yes

#### Mode of Instruction Definitions

**Accelerated:** Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

**Evening/Weekend:** Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

**Face-to-Face:** Courses typically meet during weekdays on the UW–Madison Campus.

**Hybrid:** These programs combine face-to-face and online learning formats. Contact the program for more specific information.

**Online:** These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

### CURRICULAR REQUIREMENTS

#### Requirement Detail

Minimum Credit Requirement	33 credits
Minimum Residence Credit Requirement	30 credits
Minimum Graduate Coursework Requirement	27 credits must be graduate-level coursework. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: <a href="https://policy.wisc.edu/library/UW-1244">https://policy.wisc.edu/library/UW-1244</a> ( <a href="https://policy.wisc.edu/library/UW-1244/">https://policy.wisc.edu/library/UW-1244/</a> ).

Overall Graduate GPA Requirement	3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: <a href="https://policy.wisc.edu/library/UW-1203">https://policy.wisc.edu/library/UW-1203</a> ( <a href="https://policy.wisc.edu/library/UW-1203/">https://policy.wisc.edu/library/UW-1203/</a> ).
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Other Grade Requirements: None.

Assessments and Examinations: None.

Language Requirements: None.

### REQUIRED COURSES

Code	Title	Credits
<b>Semester 1 (Fall)</b>		
PSYCH 610	Design and Analysis of Psychological Experiments I	4
PSYCH 709	Proseminar in Data Science in Human Behavior	1
PSYCH 750	Programming for Human Behavioral Data Science	3
Optional Elective (suggested list below)		
<b>Semester 2 (Spring)</b>		
PSYCH 710	Design and Analysis of Psychological Experiments II	4
PSYCH 709	Proseminar in Data Science in Human Behavior	1
PSYCH 752	Applied Machine Learning for Behavioral Data Science	3
Elective (suggested list below)		
<b>Semester 3 (Summer)</b>		
PSYCH 755	Environments and Tools for Large-Scale Behavioral Data Science	3
PSYCH 790	Capstone I	5
<b>Semester 4 (Fall)</b>		
PSYCH 791	Capstone II	3
Optional Elective (suggested list below)		
<b>Electives (at least 6 credits)</b>		<b>6</b>
PSYCH 701	Proseminar in Experimental Psychology	
PSYCH 704	Proseminar in Clinical Psychology	
PSYCH 711	Current Topics in Psychology	
PSYCH/B M I/ COMP SCI 841	Computational Cognitive Science	
COMP SCI 564	Database Management Systems: Design and Implementation	
COMP SCI 744	Big Data Systems	
COMP SCI 763	Security and Privacy for Data Science	
COMP SCI 765	Data Visualization	
COMP SCI 784	Foundations of Data Management	
COMP SCI 838	Topics in Computing	
ECON 410	Introductory Econometrics	
ECON 451	The Economic Approach to Human Behavior	

E C E 379	Special Topics in Electrical and Computer Engineering (Topic: Data Science and Engineering)
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**Total Credits**

**33**

Students in this program may not take courses outside the prescribed curriculum without faculty advisor and program director approval. Students in this program cannot enroll concurrently in other undergraduate or graduate degree programs.