

Applied Psychology Data Analytics, MS

Chairperson: Lucas Torres, Ph.D.

Department of Psychology website (<http://www.marquette.edu/psyc/>)

Degree Offered

Master of Science

Program Description

The Department of Psychology offers courses and training leading to the master of science (M.S.) in applied psychology data analytics. The applied psychology data analytics (<https://www.marquette.edu/grad/programs-graduate-applied-psychology-data-analytics.php>) program trains graduates to combine psychological expertise and quantitative skills. Students receive training to integrate big data with psychological principles and methods to produce a unique skillset to address the most complex of life's challenges. Training includes course work and practical experiences utilizing data. Graduates will have a unique skillset that gives them the ability to uncover valuable insights from complex human behavior data that are needed to make informed decisions in various fields including health care, education, insurance, business, industry, government, the military, and a range of community settings.

Multicultural Awareness and Professional Integration Program (MAPIP)

The MAPIP program is specialized training available to graduate students in the Department of Psychology. It is intended to assist students in gaining additional knowledge of multicultural issues. This includes increased awareness of the multicultural psychology research, increased understanding of diverse groups and cultures, and self-reflection of how diversity awareness can be integrated into their professional careers. For more information about this program please visit the MAPIP website (http://www.marquette.edu/psyc/about_diversity_mapip.shtml).

The Department of Psychology offers a two-year, 36-credit master's degree program in applied psychology data analytics. Six PSYC courses (18 credit hours) and 4 COSC courses (12 credit hours) are required, along with two electives (6 credit hours) taken from either Psychology or another department for a total of 36 credits. The elective credits enable students to individualize their experience and training. Students must also conduct an applied capstone project (Plan B PSYC 6998 Professional Project in Psychology), either in collaboration with an agency with appropriate data or by utilizing a publicly-available dataset.

Required Courses

Code	Title	Hours
PSYC 6201	Applied Psychology Advanced Research Methods	3
PSYC 6211	Applied Social Psychology	3
PSYC 6221	Applied Biopsychology	3
PSYC 6953	Applied Psychology Professional Seminar	3
PSYC 6998	Professional Project in Psychology	3
PSYC 8665	Industrial Psychology and Organizational Development	3
COSC 6510	Data Intelligence	3
COSC 6520	Data Analytics	3
COSC 6570	Data at Scale	3
COSC 6820	Data Ethics	3
Electives - choose two of the following:		6
PSYC 5210	Principles of Psychological Testing	
PSYC 5230	Industrial-Organizational Psychology	
PSYC 5330	Human Factors Engineering	
PSYC 5420	Health Psychology	
CMST 5500	Health Communication	
CMST 5520	Health Communication Campaigns	
CMST 5570	Cultural Diversity in Health Communication	
CMST 6200	Organizational Communication	
CMST 6600	Communication Consulting	
COMM 6953	Proseminar in Health, Science and Environment	
ECON 5072	Behavioral Economics	

MASTER'S DEGREE WITH THE DATA SCIENCE CERTIFICATE

The Department of Computer Science offers a data science certificate. Applied psychology data analytics master's students will be automatically enrolled into the APDA master's program and the data science certificate by the Graduate School Admission office. The required course work listed above satisfies the requirements for the master's degree and the certificate, as outlined in the university bulletin for each program. With the approval of the APDA director of graduate studies, course work completed prior to admission may be allowed to apply toward program requirements.

Students who are dually enrolled in the master's and the data science certificate may enroll in a secondary master's that also accepts the data science certificate and complete the remaining requirements for that degree.

Details on the data science certificate can be found in this bulletin.

Accelerated Bachelor's-Master's Degree Program

The accelerated degree program (ADP) in applied psychology data analytics is designed to give Marquette University undergraduates a more efficient means to obtain a master's degree in psychology. Undergraduate majors appropriate for the ADP include, but are not limited to: psychology, computer science, social science, and data science.

Advanced undergraduate students begin the program in their senior year to graduate with one additional year of study by completing 6 credit hours of course work per semester their senior year. In the final year, they will complete 12 credits per semester, completing a total of 36 credit hours.

Students work with the program director to personalize a course of study using elective courses and create an individual professional project to complete before being awarded their master's degree.

Applicants must have:

- A minimum cumulative undergraduate GPA of 3.000.
- Proficiency in foundational statistics.
- Information systems (coding/programming) competency.

To be considered for admission to the five-year program, applicants must formally apply to the Graduate School during their junior year at Marquette University, complete all of the application requirements, and indicate on the application that they are applying for the five-year program.

University Policies

- Academic Censure - Graduate School (<https://bulletin.marquette.edu/policies/academic-censure/graduate/>)
- Academic Integrity (<https://bulletin.marquette.edu/policies/academic-integrity/>)
- Academic Misconduct (<https://bulletin.marquette.edu/policies/academic-misconduct-policy/>)
- Academic Program Definitions (<https://bulletin.marquette.edu/policies/academic-programs-defined/>)
- Accelerated Degree Programs (<https://bulletin.marquette.edu/policies/accelerated-degree-programs/>)
- Attendance - Graduate School (<https://bulletin.marquette.edu/policies/attendance/graduate/>)
- Awarding Diplomas and Certificates (<https://bulletin.marquette.edu/policies/awarding-diplomas-certificates/>)
- Background Checks, Drug Testing (<https://bulletin.marquette.edu/policies/background-checks-drug-testing/>)
- Class Rank (<https://bulletin.marquette.edu/policies/class-rank/>)
- Commencement (<https://bulletin.marquette.edu/policies/commencement/>)
- Course Levels (<https://bulletin.marquette.edu/policies/course-levels/>)
- Credit Hour (<https://bulletin.marquette.edu/policies/credit/>)
- Credit Load - Graduate School (<https://bulletin.marquette.edu/policies/credit-load/graduate/>)
- Faculty Grading (<https://bulletin.marquette.edu/policies/faculty-grading/>)
- Family Education Rights and Privacy Act-FERPA (<https://bulletin.marquette.edu/policies/ferpa/>)
- Grade Appeals (<https://bulletin.marquette.edu/policies/grade-appeals/>)
- Grading System - Graduate School and Graduate School of Management (<https://bulletin.marquette.edu/policies/grading-system/graduate-management/>)
- Graduation - Graduate School (<https://bulletin.marquette.edu/policies/graduation/graduate/>)
- Immunization and Tuberculosis Screening Requirements (<https://bulletin.marquette.edu/policies/immunization-and-tuberculosis-screening/>)
- Last Date of Attendance/Activity (<https://bulletin.marquette.edu/policies/last-dateof-attendance-activity/>)
- Military Call to Active Duty or Training (<https://bulletin.marquette.edu/policies/militarycall-active-duty-training/>)

- Registration - Graduate School (<https://bulletin.marquette.edu/policies/registration/graduate/>)
- Repeated Courses - Graduate School (<https://bulletin.marquette.edu/policies/repeated-courses/graduate/>)
- Student Consumer Complaints (<https://bulletin.marquette.edu/policies/student-complaints/>)
- Student Data Use and Privacy (<https://bulletin.marquette.edu/policies/student-data-use-privacy/>)
- Transcripts-Official (<https://bulletin.marquette.edu/policies/transcripts-official/>)
- Transfer Course Credit - Graduate School (<https://bulletin.marquette.edu/policies/transfer-course-credit-policy/graduate/>)
- Withdrawal - Graduate School (<https://bulletin.marquette.edu/policies/withdrawals/graduate/>)

Graduate School Policies

- Academic Performance (<https://bulletin.marquette.edu/graduate/policies/academic-performance/>)
- Advising (<https://bulletin.marquette.edu/graduate/policies/advising/>)
- Certificate Concurrent Enrollment (<https://bulletin.marquette.edu/graduate/policies/certificate-concurrent-enrollment/>)
- Conduct (<https://bulletin.marquette.edu/graduate/policies/conduct/>)
- Confidentiality of Proprietary Information (<https://bulletin.marquette.edu/graduate/policies/confidentiality-proprietary-information/>)
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- Doctoral Degree Academic Program Overview (<https://bulletin.marquette.edu/graduate/policies/doctoral-program-overview/>)
- Dual/Joint Programs of Study (<https://bulletin.marquette.edu/graduate/policies/dual-joint-programs/>)
- Graduate Credit (<https://bulletin.marquette.edu/graduate/policies/graduate-credit/>)
- Graduate School Policies (<https://bulletin.marquette.edu/graduate/policies/>)
- Independent Study (<https://bulletin.marquette.edu/graduate/policies/independent-study/>)
- Intellectual Property (<https://bulletin.marquette.edu/graduate/policies/intellectual-property/>)
- Master's Degree Academic Program Overview (<https://bulletin.marquette.edu/graduate/policies/masters-program-overview/>)
- Merit-Based Aid Registration Requirements (<https://bulletin.marquette.edu/graduate/policies/merit-based-aid-registration-requirements/>)
- Research Involving Humans, Animals, Radioisotopes or Recombinant DNA/Transgenic Organisms (<https://bulletin.marquette.edu/graduate/policies/research-involving-humans-animals-radioisotopes-recombinant-dna-transgenic-organisms/>)
- Temporary Withdrawal from Graduate Program (<https://bulletin.marquette.edu/graduate/policies/temporary-withdrawal-graduate-program/>)
- Time Limitations (<https://bulletin.marquette.edu/graduate/policies/time-limitations/>)
- Working with Minors (<https://bulletin.marquette.edu/graduate/policies/working-minors/>)