

Psychology Accelerated Master's Degree Program - Behavioral Data Science Courses

Students who would like to gain more exposure to data science techniques and quantitative methods can follow the course plan outlined below. Recent discussions with psychology faculty have suggested that there is strong interest among students and faculty alike for students to gain more exposure to data science techniques and quantitative methods during their training. The central premise is that a five-year Master's degree with plenty of exposure to data science and quantitative methods would make psychology graduates much more marketable. Courses taken during senior year will count towards the 120 credits required for the Bachelor's degree. Prospective/current AMDP students should always consult with the Psychology AMDP advisor to ensure they are meeting their requirements for both their Bachelor's degree and Master's degree.

1. Fall of Senior Year (see <https://psm.isr.umich.edu/descriptions> for all course descriptions)

SurvMeth 685: Statistical Modeling I

SurvMeth 621: Fundamentals of Data Collection I

SurvMeth 727: Fundamentals of Computing and Data Display

[Other course(s) for Bachelor's degree requirements]

2. Winter of Senior Year

SurvMeth 686: Statistical Modeling II

SurvMeth 622: Fundamentals of Data Collection II

SurvMeth 630: Questionnaire Design and Evaluation

[Finish Bachelor's degree requirements]

-Apply for the Psychology AMDP by February 1st

3. Fall of Year 5 (Masters)

SurvMeth 687: Applications of Statistical Modeling

Psych 613: Experimental Design (REQUIRED for all Psych AMDPs)

Psych 519: Master's Thesis Research

Core Psychology Course I

4. Winter of Year 5 (Masters)

SurvMeth 740: Fundamentals of Inference

Psych 614: Multivariate Methods

Psych 519: Master's Thesis Research

Core Psychology Course II

Please direct any questions about these courses to Pam Davis-Kean (pdakean@umich.edu), Brady West (bwest@umich.edu), or Fred Conrad (fconrad@umich.edu).