

DECISION ANALYTICS (BA)

The Bachelor of Arts in Decision Analytics degree from the School of Continuing and Professional Studies (SCPS) is an interdisciplinary degree dedicated to the collection, analysis and communication of Big Data, a term used to reflect the challenging complexities and dynamic nature of large data sets today. Decision analysts have a keen sense of data and are able to apply critical reasoning to both qualitative and quantitative data in context. They are able to ask the right questions and formulate problems to facilitate analysis. As such, they are able to understand the organization from a systems perspective. They are comfortable learning new technologies in this dynamic field, particularly database, statistical and visualization software. They also excel in working collaboratively, dealing with ambiguity, creative problem solving, and communication skills.

The BA in Decision Analytics has a strong industry orientation that is specifically geared to provide students with the knowledge and skills they can apply in jobs they hold today and to enable them to advance in their careers.

This major is designed for working adult students and provides:

- Flexible scheduling including online options available
- Financial Aid, flexible payment options, and **special adult student tuition pricing**
- Acceleration and affordability through transfer credit and prior learning assessment (PLA) credit
- Opportunities to combine bachelor's and master's programs and apply graduate courses to both programs
- Individualized program planning, course selection and advising assistance provided
- Enhanced career opportunities through professional portfolio development, and career placement services instruction from industry practitioners, and wide-ranging Career Services support
- Degree granted by DePaul University, with its excellent academic reputation and the opportunity to join its prestigious and extensive alumni network

Program Requirements	Quarter Hours
College Core Requirements	78
Major and Concentration Requirements	68
Open Electives	46
Total hours required	192

Learning Outcomes

Students will be able to:

- Select and apply data analysis strategies to clarify situations.
- Identify patterns and relationships in data.
- Evaluate decisions based on logical analysis of data.
- Investigate problems using qualitative and quantitative methods.
- Apply ethical principles in context.
- Apply various methods of communication in multiple settings.
- Analyze and apply different liberal arts perspectives.

College Core (78 credits, 20 credits in residence):

Lifelong Learning Requirements (32 credits, 16 credits in residence):

Course	Title	Quarter Hours
LL 201 or RPL 101	REFLECTIVE LEARNING ¹ PRIOR LEARNING ASSESSMENT	2
LL 305	ACTIVE CITIZENS: MAKING A DIFFERENCE IN THE COMMUNITY, WORKPLACE WORLD	
LL 205 or LL 206	QUANTITATIVE REASONING ADVANCED MATH FOR PROFESSIONAL STUDIES	4
LL 261	ESSAY WRITING	4
LL 270	CRITICAL THINKING	4
LL 290	RESEARCH WRITING ¹	4
LL 301	RESEARCH METHODS ¹	6
LL 302	EXPERIENTIAL LEARNING PRACTICUM ¹	4

Liberal Learning Requirements (46 credits, 4 credits in residence):

- Liberal Arts in Action Requirement: CCA 281, CCH 281, CCS 281 or courses with LA1 designation, 6 credits
- CORE CURRICULUM ARTS & IDEAS, courses with the CCA, AL, PI, or RD requirement designations, 12 credits
- CORE CURRICULUM HUMAN COMMUNITY, courses with the CCH, SCBI, or HI requirement designations, 12 credits
- CORE CURRICULUM SCIENTIFIC WORLD, courses with the CCSW, SI, SILB, or SISK requirement designations, 12 credits
- IN 307 INTEGRATIVE LEARNING, 4 credits ¹

¹ Must be completed in residence.

Major Requirements (68 credit hours)

40 credit hours must be completed in residence in the major, including FA 199 and LL 303.

Professional Studies Core (20 credits, 8 credits in residence)

Course	Title	Quarter Hours
CAREER ASSESSMENT AND PLANNING		
FA 199	CAREER ASSESSMENT AND PLANNING ¹	2
PROFESSIONAL COMMUNICATIONS		
DCM 330	PROFESSIONAL COMMUNICATION IN THE WORKPLACE	
ETHICS OR SOCIAL JUSTICE, courses with the PSES requirement designation. Choose one of the following:		
DCM 317	ETHICS IN THE PROFESSIONS	2
DCM 318	SOCIAL JUSTICE IN THE PROFESSIONS	2
CREATIVITY OR INNOVATION, courses with the PSCI requirement designation. Choose one of the following:		
CCA 170	CREATIVITY AND ENTREPRENEURSHIP	2
DCM 319	CREATIVITY AND INNOVATIVE THINKING	2

GLOBAL PERSPECTIVES, courses with the PSGP requirement designation. Choose one of the following:

CCH 283	GLOBAL PERSPECTIVES OF WORK & FAMILY	4
CCH 300	GLOBALIZATION AND PROFESSIONAL PRACTICE	4
CAPSTONE PROJECT		
LL 303	CAPSTONE PROJECT ¹	6

¹ Must be completed in residence.

Decision Analytics Courses (24 credit hours)

Course	Title	Quarter Hours
MAT 130	FUNCTIONS AND MATHEMATICAL MODELS	
DA 200	DATA ANALYTICS	
DA 233	APPLIED INFORMATION MANAGEMENT SYSTEMS	
DSC 323	DATA ANALYSIS AND REGRESSION	4
IT 223	DATA ANALYSIS	4
IT 240	INTRODUCTION TO DATABASES	4

Concentration Requirements (24 credit hours)

Students must also complete the requirements from either the General or Computing concentrations.

Concentrations, tracks and specializations provide focus to the major. In addition to any college core requirements, liberal studies requirements and major requirements, students are required to choose one of the following:

- Computing Concentration, Decision Analytics (BA) (<https://catalog.depaul.edu/programs/decision-analytics-ba/computing-concentration-decision-analytics-ba/>)
- General Concentration, Decision Analytics (BA) (<https://catalog.depaul.edu/programs/decision-analytics-ba/general-concentration-decision-analytics-ba/>)