

First-Year Academic Success (FYAS) PATH TO MATH 2026-2027

Mathematics builds progressively, with each concept laying the foundation for those that follow. This same structure applies to the courses leading to Calculus or Quantitative Reasoning at DePaul University. A student's starting point in the math sequence is determined by the skills they have demonstrated through previous coursework and their score on the ALEKS Placement Assessment. All undergraduate students at DePaul are required to complete at least one mathematics course. The specific number and type of math courses a student must take depend on their chosen major.

This "Path to Math" document illustrates how specific courses fit into the full mathematics sequence required for your intended major. Please note that this is a general overview, and individual course requirements may change. The math prerequisites offered through FYAS for each major are shown in **blue**, followed by the required courses in the math sequence through calculus. If additional advanced math courses are needed, they can be identified through consultation with an academic advisor or by reviewing your Degree Progress Report (DPR). **Interested in taking a class through FYAS? We're here to help—contact us at FYAS@depaul.edu.**

Last Revised: 4.6.2026

COLLEGE OF COMMUNICATION

All Majors

MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^

COLLEGE OF EDUCATION

BS Early Childhood Education

BS Special Education

BA Secondary Education (English & History Concentrations)

BA Visual Arts Education

BSPE Physical Education

BA World Language Education

MAT 095	Introductory Algebra
MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^

BS Elementary Education

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^
MAT 110**	Foundations of Math for Elementary Teachers I
MAT 111**	Foundations of Math for Elementary Teachers II

BS Exercise Science

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131	Precalculus and Trigonometry
MCD	Math and Computing Domain Requirement^

BS Secondary Education (Biology Concentration) °°°

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 120	Quantitative Reasoning
MAT 130/147/150*	Functions and Mathematical Models OR Calculus I
MAT 131/148/151*	Precalculus and Trigonometry OR Calculus II

BS Secondary Education (Chemistry Concentration)

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131*	Precalculus and Trigonometry
MAT 147/150*	Calculus I
MAT 148/151*	Calculus II
MAT 149/152*	Calculus III

BS Secondary Education (Environmental Science Concentration)

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^
MAT 130	Functions and Mathematical Models
MAT 131	Precalculus and Trigonometry

BA & BS Secondary Education (Mathematics Concentration)**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131*	Precalculus and Trigonometry
MAT 150	Calculus I
MAT 151	Calculus II
MAT 152	Calculus III

BS Secondary Education (Physics Concentration)**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131*	Precalculus and Trigonometry
MAT 147/150*	Calculus I ^^^^
MAT 148/151*	Calculus II ^^^^
MAT 149/152*	Calculus III ^^^^

BA Secondary Education (Social Science Concentration)

MAT 095***	Introductory Algebra
MAT 100***	Introduction to Quantitative Reasoning
MAT 101***	Intermediate Algebra
MAT 130***	Functions and Mathematical Models
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^

COLLEGE OF LIBERAL ARTS & SOCIAL SCIENCES

BFA Art, Media, and Design

MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning

BA Criminology

MAT 095	Introductory Algebra
MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^

BA Economics

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 137	Business Statistics

BA Sociology

MAT 095	Introductory Algebra
MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^

All Other Liberal Arts & Social Science Majors

MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^

COLLEGE OF SCIENCE & HEALTH

BS Actuarial Science **

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131*	Precalculus and Trigonometry
MAT 147/150*	Calculus I ^^^^
MAT 148/151*	Calculus II ^^^^
MAT 149/152*	Calculus III ^^^^

Students who take MAT 147, 148, & 149 are not required to take MAT 131 before starting 147.

BS Astrophysics

BS Physics

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models

BS Astrophysics continued

BS Physics continued

MAT 131*	Precalculus and Trigonometry
MAT 147/150*	Calculus : ^^^^
MAT 148/151*	Calculus : ^^^^
MAT 149/152*	Calculus : ^^^^

BA & BS Biochemistry

BA & BS Chemistry

BA & BS Mathematical Sciences

BS Environmental Science

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131*	Precalculus and Trigonometry
MAT 147/150/*	Calculus I ^^^^
MAT 148/151*	Calculus II ^^^^
MAT 149/152*	Calculus III ^^^^

Students who take MAT 147, 148, & 149 are not required to take MAT 131 before starting 147.

BS Biological Sciences

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131*	Precalculus and Trigonometry
MAT 147/150*	Calculus I ^^^^
MAT 148/151*	Calculus II ^^^^
MAT 149	Calculus III ^^^^

MAT 149 is only required if taking MAT 147 & 148.

BS Neuroscience**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131	Precalculus and Trigonometry (only if taking Physics)

BS Neuroscience (Computational Neuroscience Concentration)**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131	Precalculus and Trigonometry (only if taking Physics)
MAT 150	Calculus I

BS Nursing

RN to MS in Nursing (MS)

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models

Nursing Analysis Course

BA Biological Sciences

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MCD	Math and Computing Domain Requirement^

BA Data Science**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
IT 223	Data Analysis
MAT 140	Discrete Mathematics I
MAT 147/150*	Calculus I ^^^^
MAT 148/151*	Calculus II ^^^^
MAT 149/152*	Calculus III ^^^^

BA Environmental Studies

MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning

BS Health Sciences (Bioscience Concentration)**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131	Precalculus and Trigonometry (only if taking Physics)

BS Health Sciences (Public Health Sciences Concentration)

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^

BA & BS Math and Computer Science**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131*	Precalculus and Trigonometry
MAT 140	Discrete Mathematics I
MAT 141	Discrete Mathematics II
MAT 147/150*	Calculus I ^^^^
MAT 148/151*	Calculus II ^^^^
MAT 149/152*	Calculus III ^^^^

Students may take MAT 215 in place of MAT 140 and MAT 141

BA Psychology

MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^

BA Psychology (Industrial/Organizational Psychology Concentration)

MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^

BS Psychology (General and Cognitive Neuroscience Concentration)**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MCD	Math and Computing Domain Requirement^

BS Psychology (Healthcare Concentration)**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131	Precalculus and Trigonometry (only if taking Physics)

DRIEHAUS COLLEGE OF BUSINESS

All Majors °° (Except BSB Actuarial Science)

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 137	Business Statistics

BSB Actuarial Science **

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131*	Precalculus and Trigonometry
MAT 147/150*	Calculus I
MAT 148/151*	Calculus II
MAT 149/152*	Calculus III

JARVIS COLLEGE OF COMPUTING & DIGITAL MEDIA

BS Computer Science (artificial intelligence concentration)**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131	Precalculus and Trigonometry
MAT 140	Discrete Mathematics I
MAT 141	Discrete Mathematics II
IT 223	Data Analysis
MAT 150	Calculus I

BS Computer Science (software development concentration)

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 140	Discrete Mathematics I
MAT 141	Discrete Mathematics II
IT 223	Data Analysis

BS Computer Science (game systems concentration)

BS Computer Science + Animation (all concentrations)

BS Computer Science + Geography

BS Computer Science + History

BS Computer Science + Writing & Rhetoric

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 140	Discrete Mathematics I
MAT 141	Discrete Mathematics II

BS Computer Science + Economics

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 137	Business Statistics
MAT 140	Discrete Mathematics I
MAT 141	Discrete Mathematics II

BS Math & Computer Science**

BS Intelligent Systems Engineering**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131	Precalculus and Trigonometry
MAT 140	Discrete Mathematics I
MAT 141	Discrete Mathematics II
MAT 150	Calculus I
MAT 151	Calculus II
MAT 152	Calculus III

BS Cybersecurity

BS Game Programming

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 140	Discrete Mathematics I

BS Game Design

BS Information Systems

BS Information Technology (all concentrations)

BS Network Engineering and Security

BS User Experience Design

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
IT 223	Data Analysis

BS Data Science**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131*	Precalculus and Trigonometry
MAT 140	Discrete Mathematics I
IT 223	Data Analysis
MAT 150	Calculus I
MAT 151	Calculus II
MAT 152	Calculus III

BS Robotics**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130	Functions and Mathematical Models
MAT 131	Precalculus and Trigonometry
MAT 140	Discrete Mathematics I
MAT 150	Calculus I
MAT 151	Calculus II

BA Animation

BA Film and Television

MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^

BFA Animation (all concentrations)

BFA Graphic Design

BFA Film and Television (all concentrations)

BFA Industrial Design °

MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning

SCHOOL OF MUSIC

BA & BS Performing Arts Management**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 120	Quantitative Reasoning
MAT 130	Functions and Mathematical Models

BS Sound Recording Technology

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 130 °°	Functions and Mathematical Models
MAT 131	Precalculus and Trigonometry
MAT 150/151/152^^	Calculus

BA Music

BM Composition

MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning
MCD	Math and Computing Domain Requirement^

BM Jazz Studies

BM Music Education

BM Music Performance

MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning

THE THEATRE SCHOOL

Theatre Management**

MAT 095	Introductory Algebra
MAT 101	Intermediate Algebra
MAT 120	Quantitative Reasoning
MAT 130	Functions and Mathematical Models

All Other Theatre Majors

MAT 100	Introduction to Quantitative Reasoning
MAT 120	Quantitative Reasoning

KEY

- * MAT 147, 148 & 149 can substitute for MAT 131, 150/151/152. Students who take 147, 148, & 149 are not required to take 131 before 147.
- ** Additional advanced math courses required for this major; please discuss with your academic advisor.
- *** The math requirements are determined by the Secondary Field of Study.
- ^ Additional Math and Computing Domain requirement(s); please discuss with your advisor upon completion of Quantitative Reasoning (MAT 120).
- ^^ Sound Recording Technology majors, please select one of the following: MAT 150, MAT 151, or MAT 152.
- ^^^ Students may take Summer Calculus Math sequence (155/156) in place of the Calculus sequences above.
- ° MAT 130 and MAT 131 required in major; students who test out of these courses should talk with an academic advisor
- °° For all Business majors (except Actuarial Science), MAT 137 can be replaced by MAT 348 or MAT 351
- °°° Sound Recording Technology & Secondary Education Biology majors must take MAT130 for credit. Please discuss this with your advisor.