Mathematics builds from one concept to the next, and so do the courses that lead to Calculus and Quantitative Reasoning. Where students begin their study of math at DePaul depends on the skills they have demonstrated through a combination of courses in high school and the results of the ALEKS Placement Assessment. It is important to note that all students at DePaul take math classes. The number and type of math courses required will depend upon the student's major.

This "Path to Math" shows you where certain courses fit into the full math sequence required for your intended major. Please understand that this is only an overview and specific courses may be subject to change. The math prerequisites offered through FYAS for each major are shaded in orange, followed by the required courses in the math sequence for your intended major. If needed, additional advanced math courses beyond those outlined below are determined through consulting and planning with an academic advisor.

### JARVIS COLLEGE OF COMPUTING & DIGITAL MEDIA

**Math & Computer Science Majors**

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

**Information Systems Majors**

**Information Technology (All Majors)**

**Network Engineering and Security Majors**

**Game Design Majors**

**User Experience Design Majors**

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

**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
- IT 223: Data Analysis
- MAT 150: Calculus I
- MAT 151: Calculus II
- MAT 152: Calculus III

**Data Science (BS)**

- 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

**Animation (BA Majors)**

**Film and Television (BA Majors)**

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

**Animation (BFA majors)**

**Graphic Design (BFA majors)**

**Film and Television (BFA majors)**

- MAT 100: Introduction to Quantitative Reasoning
- MAT 120: Quantitative Reasoning

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**COLLEGE OF COMMUNICATION**

**All Majors**

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

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**DRIEHAUS COLLEGE OF BUSINESS**

**All Majors**

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

**Economic Data Analytics (BSB)**

- MAT 095: Introductory Algebra
- MAT 101: Intermediate Algebra
- MAT 130: Functions and Mathematical Models
- MAT 131: Precalculus and Trigonometry
- MAT 135/150: Business Calculus I / Calculus I

**Actuarial Science (BSB)**

- 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

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* MAT 147, 148 & 149 can substitute for MAT 131, 150/151/152.

** Additional advanced math courses required for this major; please discuss with your academic advisor.

^ Additional Math and Computing Domain requirement(s); please discuss with your advisor upon completion of Quantitative Reasoning (MAT 120).

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Last Revised: 4.8.24
Secondary Education Environmental Science Majors
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

Early Childhood Education Majors
Special Education Majors
Secondary Ed English, History & Visual Arts Majors
Physical Education Majors (all)

World Language Education Majors
Middle Grades Education ***
MAT 095 Introductory Algebra
MAT 100 Introduction to Quantitative Reasoning
MAT 120 Quantitative Reasoning
MCD Math and Computing Domain Requirement

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

Secondary Education Chemistry Majors
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

Exercise Science Majors
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

ACTuarial Science BS**
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.

Biochemistry (All Majors)
Chemistry BA & BS (All Majors)
Mathematics BA & BS (All Majors)
Environmental Science Majors (BS)
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.

Psychology Bachelor of Science (Healthcare)**
MAT 095 Introductory Algebra
MAT 101 Intermediate Algebra
MAT 130 Functions and Mathematical Models
MAT 131 Precalculus and Trigonometry (only if taking Physics)

Psychology Bachelor of Science (General and Neuroscience)**
MAT 095 Introductory Algebra
MAT 101 Intermediate Algebra
MAT 130 Functions and Mathematical Models
MAT 120 Quantitative Reasoning
MCD Math and Computing Domain Requirement

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

* MAT 147, 148 & 149 can substitute for MAT 131, 150/151/152.
** Additional advanced math courses required for this major; please discuss with your academic advisor.
*** College of Education Middle Grades Education may require additional math courses depending on concentration.
^ Additional Math and Computing Domain requirement(s); please discuss with your advisor upon completion of Quantitative Reasoning (MAT 120).
^ ^^ Students may take Summer Calculus Math sequence (155/156) in place of the Calculus sequences above.
## COLLEGE OF SCIENCE & HEALTH (continued)

### Math and Computer Science Majors **
- **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 \[^^^^\]

Additional advanced math courses required for this major; please discuss with your academic advisor.

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

### Health Sciences Bioscience General (General Track and Medical Track)**
- **MAT 095** Introductory Algebra
- **MAT 101** Intermediate Algebra
- **MAT 130** Functions and Mathematical Models
- **MAT 131** Precalculus and Trigonometry (only if taking Physics)

### Health Sciences Bioscience General (Pre-Nursing Track)**
- **MAT 095** Introductory Algebra
- **MAT 101** Intermediate Algebra
- **MAT 130** Functions and Mathematical Models
- **MAT 131** Precalculus and Trigonometry (only if taking Physics)

### Environmental Studies Majors (BA)
- **MAT 100** Introduction to Quantitative Reasoning
- **MAT 120** Quantitative Reasoning
- **MCD** Math and Computing Domain Requirement

### Physics and Astrophysics (All Majors)
- **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 \[^^^^\]

### Health Sciences Public Health Sciences
- **MAT 095** Introductory Algebra
- **MAT 101** Intermediate Algebra
- **MAT 130** Functions and Mathematical Models
- **MCD** Math and Computing Domain Requirement

### Nursing (BS)
- RN to MS in Nursing (MS)
- **MAT 095** Introductory Algebra
- **MAT 101** Intermediate Algebra
- **MAT 130** Functions and Mathematical Models
- Nursing Analysis Course

### Economics Majors
- **MAT 095** Introductory Algebra
- **MAT 101** Intermediate Algebra
- **MAT 130** Functions and Mathematical Models
- **MAT 137** Business Statistics

### Sociology (All Majors)
- **MAT 095** Introductory Algebra
- **MAT 100** Introduction to Quantitative Reasoning
- **MAT 120** Quantitative Reasoning
- **MCD** Math and Computing Domain Requirement

### Art, Media, and Design (BFA)
- **MAT 100** Introduction to Quantitative Reasoning
- **MAT 120** Quantitative Reasoning

### Criminology (BA)
- **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

### Performing Arts Management Majors**
- **MAT 095** Introductory Algebra
- **MAT 101** Intermediate Algebra
- **MAT 130** Functions and Mathematical Models
- **MAT 120** Quantitative Reasoning

### 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

### Musical Performers & Other Music Majors
- **MAT 100** Introduction to Quantitative Reasoning
- **MAT 120** Quantitative Reasoning
- **MCD** Math and Computing Domain Requirement

### Composition Majors
- **Jazz Studies Majors**
- **Music Education Majors**
- **Music Performance Majors**
- **MAT 100** Introduction to Quantitative Reasoning
- **MAT 120** Quantitative Reasoning
- **MCD** Math and Computing Domain Requirement

### Theatre Management Majors**
- **MAT 095** Introductory Algebra
- **MAT 101** Intermediate Algebra
- **MAT 130** Functions and Mathematical Models
- **MAT 120** Quantitative Reasoning

### All Other Theatre Majors
- **MAT 100** Introduction to Quantitative Reasoning
- **MAT 120** Quantitative Reasoning

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**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.**

^ Additional Math and Computing Domain requirement(s); please discuss with your advisor upon completion of Quantitative Reasoning (LSP 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.