

# Math Education - DTA/MRP

**2022-23**

## Program map for Associate in Math Education Direct Transfer Agreement/ Major Ready Pathway (DTA/MRP)

Mathematics is the language of science and a powerful mechanism for describing the world around us. A mathematics degree at Lower Columbia College prepares students for bachelor's programs in areas such as mathematics, statistics, or math education.

See also: ( [lowercolumbia.edu/programs/education](http://lowercolumbia.edu/programs/education) )

- Degree Requirements for Teacher Education and Early Learning programs ( [lowercolumbia.edu/programs/education](http://lowercolumbia.edu/programs/education) )
- Course descriptions in LCC Catalog ( [lowercolumbia.edu/publications/catalog/courses](http://lowercolumbia.edu/publications/catalog/courses) )
- Distribution lists in LCC Catalog ( [lowercolumbia.edu/publications/catalog/distribution-lists](http://lowercolumbia.edu/publications/catalog/distribution-lists) )

***Please note that many course sequences only begin in fall quarter. Please check with your program advisor for more information.***

***Please review both the "By Quarter Overview" and "Detailed Class Sequence" tabs below.***

### By Quarter Overview

#### First Quarter

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- COLL 101: College Success 101 (2 credits)
- ENGL& 101: English Composition I (5 credits)
- MATH& 151: Calculus I (5 credits)
- Choose one elective (5 credits)

#### Second Quarter

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- MATH& 152: Calculus II (5 credits)
- ENGL& 102: English Composition II (5 credits)
- PSYC& 100: General Psychology (5 credits)

#### Third Quarter

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- MATH& 153: Calculus III (5 credits)
- CMST& 220: Public Speaking (5 credits)
- ECON& 201: Micro Economics or ECON& 202: Macro Economics (5 credits)

## Fourth Quarter

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- MATH& 254: Calculus IV (5 credits)
- EDUC& 205: Introduction to Education w/Field Experience (5 credits)
- PHYS& 221: Engr Physics I w/Lab (5 credits)

Apply for financial aid at transfer institution

## Fifth Quarter

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- MATH 215: Discrete Structures (5 credits)
- PHYS& 222: Engr Physics II w/Lab (5 credits)
- ENGL 270: Literature for Children (5 credits)

Apply for Graduation ( [lowercolumbia.edu/graduation](http://lowercolumbia.edu/graduation) )

## Sixth Quarter

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- MATH 220: Linear Algebra (5 credits)
- HIST& 128: World Civilizations III (5 credits)
- SPAN& 121: Spanish I (5 credits)
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## Detailed Class Sequence

### 1. College Success 101

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COLL 101 (2 credits)

### 2. English Composition I

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ENGL& 101 (5 credits)

### 3. Calculus I

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MATH& 151 (5 credits)

### 4. Elective

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Choose one five credit elective.

### 5. Calculus II

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MATH& 152 (5 credits)

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**6. English Composition II**

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ENGL& 102 (5 credits)

**7. General Psychology**

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PSYC& 100 (5 credits)

**8. Calculus III**

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MATH& 153 (5 credits)

**9. Public Speaking**

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CMST& 220 (5 credits)

**10. Economics**

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ECON& 201: Micro Economics or ECON& 202: Macro Economics (5 credits)

**11. Calculus IV**

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MATH& 254 (5 credits)

**12. Introduction to Education w/Field Experience**

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EDUC& 205 (5 credits)

**13. Engr Physics I w/Lab**

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PHYS& 221 (5 credits)

**14. Discrete Structures**

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MATH 215 (5 credits)

**15. Engr Physics II w/Lab**

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PHYS& 222 (5 credits)

**16. Literature for Children**

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ENGL 270: 5 credits

## 17. Linear Algebra

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MATH 220 (5 credits)

## 18. World Civilizations III

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HIST& 128 (5 credits)

## 19. Spanish I

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SPAN& 121 (5 credits)

## ( [lowercolumbia.edu/program-maps/stem](http://lowercolumbia.edu/program-maps/stem) ) Program Maps for Science, Technology, Engineering and Math (STEM) ( [lowercolumbia.edu/program-maps/stem](http://lowercolumbia.edu/program-maps/stem) )

- Bioengineering and Chemical Pre-Engineering - AS-T (Bioengineering Option) ( [lowercolumbia.edu/program-maps/stem/AST-Bioengineering-and-Chemical-Pre-Engineering-Bioengineering-Option](http://lowercolumbia.edu/program-maps/stem/AST-Bioengineering-and-Chemical-Pre-Engineering-Bioengineering-Option) )
- Bioengineering and Chemical Pre-Engineering - AS-T (Chemical Engineering Option) ( [lowercolumbia.edu/program-maps/stem/AST-Bioengineering-and-Chemical-Pre-Engineering-Chemical-Option](http://lowercolumbia.edu/program-maps/stem/AST-Bioengineering-and-Chemical-Pre-Engineering-Chemical-Option) )
- Biological Sciences - AS-T ( [lowercolumbia.edu/program-maps/stem/AST-Biological-Sciences](http://lowercolumbia.edu/program-maps/stem/AST-Biological-Sciences) )
- Biology - DTA/MRP ( [lowercolumbia.edu/program-maps/stem/DTA-MRP-Biology](http://lowercolumbia.edu/program-maps/stem/DTA-MRP-Biology) )
- Chemistry - AS-T ( [lowercolumbia.edu/program-maps/stem/AST-Chemistry](http://lowercolumbia.edu/program-maps/stem/AST-Chemistry) )
- Computer and Electrical Pre-Engineering - AS-T (2 Year Option) ( [lowercolumbia.edu/program-maps/stem/AST-Computer-and-Electrical-Pre-Engineering-2-year](http://lowercolumbia.edu/program-maps/stem/AST-Computer-and-Electrical-Pre-Engineering-2-year) )
- Computer and Electrical Pre-Engineering - AS-T (3 Year Option) ( [lowercolumbia.edu/program-maps/stem/AST-Computer-and-Electrical-Pre-Engineering-3-year](http://lowercolumbia.edu/program-maps/stem/AST-Computer-and-Electrical-Pre-Engineering-3-year) )
- Computer Science - AST ( [lowercolumbia.edu/program-maps/stem/AST-Computer-Science](http://lowercolumbia.edu/program-maps/stem/AST-Computer-Science) )
- Computer Science - AST (WSUV) ( [lowercolumbia.edu/program-maps/stem/AST-Computer-Science-WSU-V](http://lowercolumbia.edu/program-maps/stem/AST-Computer-Science-WSU-V) )
- Earth Sciences - AA-DTA ( [lowercolumbia.edu/program-maps/stem/AADTA-Earth-Sciences](http://lowercolumbia.edu/program-maps/stem/AADTA-Earth-Sciences) )
- Earth Sciences - AS-T ( [lowercolumbia.edu/program-maps/stem/AST-Earth-Sciences](http://lowercolumbia.edu/program-maps/stem/AST-Earth-Sciences) )
- Environmental Science - AS-T ( [lowercolumbia.edu/program-maps/stem/AST-Environmental-Science](http://lowercolumbia.edu/program-maps/stem/AST-Environmental-Science) )
- Mechanical, Civil, Aeronautical, Industrial, Materials Science Engineering (2 Year Option) ( [lowercolumbia.edu/program-maps/stem/AST-Mechanical-Civil-Aeronautical-Industrial-Materials-Science-Engineering-2-year](http://lowercolumbia.edu/program-maps/stem/AST-Mechanical-Civil-Aeronautical-Industrial-Materials-Science-Engineering-2-year) )
- Mechanical, Civil, Aeronautical, Industrial, Materials Science Engineering (3 Year Option) ( [lowercolumbia.edu/program-maps/stem/AST-Mechanical-Civil-Aeronautical-Industrial-Materials-Science-Engineering-3-year](http://lowercolumbia.edu/program-maps/stem/AST-Mechanical-Civil-Aeronautical-Industrial-Materials-Science-Engineering-3-year) )
- Physics - AS-T ( [lowercolumbia.edu/program-maps/stem/AST-Physics](http://lowercolumbia.edu/program-maps/stem/AST-Physics) )
- Physics - AS-T (Math Transfer Option) ( [lowercolumbia.edu/program-maps/stem/AST-Physics-Math-Transfer-Option](http://lowercolumbia.edu/program-maps/stem/AST-Physics-Math-Transfer-Option) )