

4+1 OPTIONS

A complete list of UM-Dearborn accelerated bachelor's/master's program options (4+1 programs) are itemized below and at this overview page. (<https://catalog.umd.umich.edu/azprograms/#acceleratedbachelormasterprogramoptionstext>)

Key Benefits of a 4+1 Program

- **Time Efficiency:** Complete your master's degree in just one additional year after finishing your bachelor's degree. By double-counting 9-16 credits (varies by program), you can fulfill master's requirements while still completing your undergraduate studies.
- **Cost Savings:** Save on tuition by taking up to 16 graduate level credits during your undergraduate career, reducing the total number of credits you need to earn separately for the master's degree.
- **Competitive Edge:** A master's degree enhances your qualifications and makes you stand out to employers. With advanced knowledge and specialized skills, you'll be in a stronger position to land higher-paying jobs and climb the career ladder faster.

Accounting 4+1 Option

The Accounting 4+1 option at the University of Michigan-Dearborn allows students to earn both the BBA in Accounting and the Master of Science in Accounting at a substantial savings in time and money. Students can double-count up to 15 credits in this program.

For more information, please visit the College of Business's Accounting 4+1 Option webpage (<https://umdearborn.edu/cob/graduate-programs/degree-programs/ms-accounting/accounting-41-option/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Applied Behavior Analysis 4+1 Option

The Applied Behavior Analysis 4+1 option at the University of Michigan-Dearborn is designed to allow students who complete their undergraduate degree to fulfill the requirements of the MS in Applied Behavior Analysis with one additional year of graduate study. This will be achieved by combining a portion of undergraduate and graduate coursework. Students can double-count up to 15 credits in this program.

For more information, please visit the 4+1 Applied Behavior Analysis Accelerated Program webpage (<https://umdearborn.edu/cehhs/graduate-programs/areas-study/ms-applied-behavior-analysis/41-applied-behavior-analysis-accelerated-program/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Applied and Computational Mathematics 4+1 Option

The Accelerated Masters Studies Option (4+1 Option) in Mathematics and Applied and Computational Mathematics (MATH-ACM) is designed to allow motivated students to earn both a B.S. or A.B. in Mathematics (<https://umdearborn.edu/casl/undergraduate-programs/areas-study/mathematics/>) and an M.S. in Applied and Computational Mathematics (<https://umdearborn.edu/casl/graduate-programs/programs/master-science-applied-and-computational-mathematics/>) with one additional year of coursework. This is achieved by a double-counting allowance of up to 15 credits or five graduate level (500-level or above) courses. One additional year of graduate work (15 credits) would be needed to complete the Master's program enabling students to earn two degrees in a total of five years.

For more information, please visit the Applied and Computational Mathematics 4+1 Option webpage (<https://umdearborn.edu/casl/graduate-programs/programs/master-science-applied-and-computational-mathematics/applied-and-computational-mathematics-41-option/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Artificial Intelligence 4+1 Option

The accelerated undergraduate/master's studies option in Artificial Intelligence (4+1 option) allows the most qualified UM-Dearborn undergraduate Computer and Information Science (CIS) or Software Engineering (SWE) students to pursue a program of study in which BSE and MSE degrees are earned in a five-year accelerated format.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the Artificial Intelligence 4+1 Option webpage (<https://umdearborn.edu/cecs/departments/computer-and-information-science/undergraduate-programs/#:~:text=4%2B1%20Accelerated%20Masters%20Programs>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Automotive and Mobility Systems Engineering 4+1 Option

The accelerated undergraduate/master's studies option in Automotive and Mobility Systems Engineering (4+1 option) allows the most qualified UM-Dearborn undergraduate mechanical engineering students to pursue a program of study in which BSE and MSE degrees are earned in a five-year accelerated format.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the 4+1 Option webpage (<https://umdearborn.edu/cecs/departments/mechanical-engineering/undergraduate-programs/accelerated-masters-41-programs/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Bioengineering 4+1 Option

The accelerated undergraduate/master's studies option in bioengineering (4+1 option) allows the most qualified UM-Dearborn undergraduate bioengineering students to pursue a program of study in which BSE and MSE degrees are earned in a five-year accelerated format.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the 4+1 Bioengineering Program webpage (<https://umdearborn.edu/cecs/departments/mechanical-engineering/undergraduate-programs/41-bioengineering-program/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Biological and Biomedical Sciences 4+1 Option

Under the discretion of the Department of Natural Sciences Graduate Studies Committee, any student enrolled in an undergraduate degree program at UM-Dearborn could be eligible to also complete this master's program as a 4+1 program. Undergraduate programs that likely

work best with this master's program include Biological Sciences, Biochemistry, and Microbiology.

Students can double-count up to 12 credits in this program.

For more information, please visit the 4 +1 Biological and Biomedical Sciences Program webpage (<https://umdearborn.edu/academics/program/biological-and-biomedical-sciences-ms/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Computer and Information Science 4+1 Option

The accelerated undergraduate/master's studies option in Computer and Information Science (4+1 option) allows the most qualified UM-Dearborn undergraduate Computer and Information Science (CIS) or Software Engineering (SWE) students to pursue a program of study in which BSE and MSE degrees are earned in a five-year accelerated format.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the Computer and Information Science 4 +1 Option webpage (<https://umdearborn.edu/cecs/departments/computer-and-information-science/undergraduate-programs/#:~:text=4%2B1%20Accelerated%20Masters%20Programs>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Computer Engineering 4+1 Option

The accelerated undergraduate/master's studies option in computer engineering (4+1 option) allows the most qualified UM-Dearborn undergraduate computer engineering students to pursue a program of study in which BSE and MSE degrees are earned in a five-year accelerated format.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the MSE in Computer Engineering webpage (<https://umdearborn.edu/cecs/departments/electrical-and-computer-engineering/graduate-programs/mse-computer-engineering/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Criminology and Criminal Justice 4+1 Option

The 4+1 accelerated program option allows current UM-Dearborn undergraduate Criminology and Criminal Justice or Sociology majors to complete both the Bachelor of Arts and the Master of Science in Criminology and Criminal Justice in a format that offers substantial savings in both time and money. This is achieved by a double-counting allowance of up to 15 credits or 5 graduate level (500-level or above) courses. One additional year of graduate work (15-17 credits) would be needed to complete the Master's program enabling students to earn two degrees in a total of five years.

For more information, please visit the Criminology and Criminal Justice 4 +1 Option webpage (<https://umdearborn.edu/casl/graduate-programs/programs/master-science-criminology-and-criminal-justice/41-option/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Cybersecurity and Information Assurance 4+1 Option

The accelerated undergraduate/master's studies option in Cybersecurity and Information Assurance (4+1 option) allows the most qualified UM-Dearborn undergraduate Computer and Information Science (CIS) or Software Engineering (SWE) students to pursue a program of study in which BSE and MSE degrees are earned in a five-year accelerated format.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the Cybersecurity and Information Assurance 4 +1 Option webpage (<https://umdearborn.edu/cecs/departments/computer-and-information-science/undergraduate-programs/#:~:text=4%2B1%20Accelerated%20Masters%20Programs>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Data Science 4+1 Option

The accelerated undergraduate/master's studies option in Data Science (4+1 option) allows the most qualified UM-Dearborn undergraduate Computer and Information Science (CIS) or Software Engineering (SWE) students to pursue a program of study in which BSE and MSE degrees are earned in a five-year accelerated format.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the Data Science 4 +1 Option webpage (<https://umdearborn.edu/cecs/departments/computer-and-information-science/undergraduate-programs/#:~:text=4%2B1%20Accelerated%20Masters%20Programs>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Electrical Engineering 4+1 Option

The accelerated undergraduate/master's studies option in electrical engineering (4+1 option) allows the most qualified UM-Dearborn undergraduate electrical engineering students to pursue a program of study in which BSE and MSE degrees are earned in a five-year accelerated format.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the MSE in Electrical Engineering webpage (<https://umdearborn.edu/cecs/departments/electrical-and-computer-engineering/graduate-programs/mse-electrical-engineering/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Finance 4+1 Option

The Finance 4+1 Option allows students to earn both the BBA with a Finance or Economics major and the Master of Science in Finance at a substantial savings in time and money. Students in the program may count up to five graduate courses toward their BBA major and the MS-Finance at the same time.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 15 credits in this program.

For more information, please visit the Finance 4+1 webpage (<https://umdearborn.edu/cob/graduate-programs/degree-programs/finance-41-program/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Financial Analytics 4+1 Option

The Finance 4+1 Option allows students to earn both the BBA with a Finance or Economics major and the Master of Science in Financial Analytics at a substantial savings in time and money. Students in the program may count up to five graduate courses toward their BBA and the MS-Finance Analytics at the same time.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 15 credits in this program.

For more information, please visit the Financial Analytics 4+1 webpage (<https://umdearborn.edu/cob/graduate-programs/degree-programs/financial-analytics-41-program/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Healthcare Administration and Leadership 4+1 Option

The Master of Science in Healthcare Administration and Leadership Accelerated Program, or 4+1 program, is designed for undergraduate students in any major who have the interest, and demonstrated ability, to pursue the MS in Healthcare Administration and Leadership. The program is designed to allow students who complete their undergraduate degree to fulfill the requirements of the MS in Healthcare Administration and Leadership with one additional year of graduate study. This will be achieved by combining a portion of undergraduate and graduate coursework. Students can double-count up to 16 credits of graduate level coursework.

For more information, please visit the 4+1 Healthcare Administration and Leadership Accelerated Program webpage (<https://umdearborn.edu/cehhs/departments/health-and-human-services/41-healthcare-administration-and-leadership-accelerated/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Human Centered Design and Engineering 4+1 Option

The accelerated undergraduate/master's studies option in human centered design and engineering (4+1 option) allows the most qualified UM-Dearborn undergraduate human centered engineering design students (BSE HCED) to pursue a program of study in which BSE and MS degrees are earned in a five-year accelerated format.

This is achieved by combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the 4+1 Human Centered Engineering Design webpage (<https://umdearborn.edu/cecs/departments/industrial-and-manufacturing-systems-engineering/undergraduate-programs/41-human/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Instructional Design and Learning Technologies 4+1 Option

The Master of Arts in Instructional Design and Learning Technologies Accelerated Program, or 4+1 program, is designed for undergraduate students in the Instructional Design and Learning Technologies

(<https://umdearborn.edu/cehhs/undergraduate-programs/areas-study/instructional-design-and-learning-technologies/>) major who have the interest, and demonstrated ability, to pursue the MA in Instructional Design and Learning Technologies. The program is designed to allow students who complete the BA in Instructional Design and Learning Technologies to fulfill the requirements of the MA in Instructional Design and Learning Technologies with one additional year of graduate study.

This will be achieved by combining a portion of undergraduate and graduate coursework. Students can double-count up to 15 credits of graduate level coursework.

For more information, please visit the 4+1 Instructional Design and Learning Technologies Accelerated Program webpage (<https://umdearborn.edu/cehhs/graduate-programs/areas-study/ma-educational-technology-online/41-instructional-design-and/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Marketing 4+1 Option

The Marketing 4+1 option allows students to earn both both a UM-Dearborn bachelor's degree and the Master of Science in Marketing with a substantial savings of time and money. This is achieved by combining a portion of undergraduate and graduate coursework. Students can double-count up to 15 credits in this program.

For more information, please visit the Marketing 4+1 webpage (<https://umdearborn.edu/cob/graduate-programs/degree-programs/marketing-41-program/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Marketing Analytics 4+1 Option

The Marketing Analytics 4+1 option allows students to earn both a UM-Dearborn bachelor's degree and the Master of Science in Marketing Analytics with a substantial savings of time and money. This is achieved by combining a portion of undergraduate and graduate coursework. Students can double-count up to 15 credits in this program.

For more information, please visit the Marketing Analytics 4+1 webpage (<https://umdearborn.edu/cob/graduate-programs/degree-programs/marketing-analytics-41-program/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Materials Science and Engineering 4+1 Option

The accelerated undergraduate/master's studies option in materials science and engineering (4+1 option) allows the most qualified UM-Dearborn undergraduate bioengineering or mechanical engineering students to pursue a program of study in which BSE and MS degrees are earned in a five-year accelerated format.

This is achieved by combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the 4+1 webpage (<https://umdearborn.edu/cecs/departments/mechanical-engineering/undergraduate-programs/accelerated-masters-41-programs/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Mechanical Engineering 4+1 Option

The accelerated undergraduate/master's studies option in mechanical engineering (4+1 option) allows the most qualified UM-Dearborn

undergraduate mechanical engineering students to pursue a program of study in which BSE and MSE degrees are earned in a five-year accelerated format.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the 4+1 Mechanical Engineering Program webpage (<https://umdearborn.edu/cecs/departments/mechanical-engineering/undergraduate-programs/new-fall-2024-41-mechanical/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>)

Public Administration and Policy 4+1 Option

The Master of Public Administration and Public Policy 4+1 Accelerated Program is designed for undergraduate students with an interest in nonprofit or public service careers and a demonstrated ability to pursue graduate studies. The program is designed to allow students completing a B.A./B.S. here (any major) to double count up to 16 credits of graduate level courses towards their undergraduate degree electives. At least one additional year of graduate work would be needed to complete the MPAP degree.

For more information, please visit the Master of Public Administration and Policy webpage (<https://umdearborn.edu/casl/graduate-programs/programs/master-public-administration-and-policy/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Robotics Engineering 4+1 Option

The accelerated undergraduate/master's studies option in Robotics Engineering (4+1 option) allows the most qualified UM-Dearborn Robotics Engineering undergraduate students to pursue a program of study in which BSE and MSE degrees are earned in a five-year accelerated format.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the MSE in Robotics Engineering webpage (<https://umdearborn.edu/cecs/departments/electrical-and-computer-engineering/undergraduate-programs/41-robotics-engineering/>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).

Software Engineering 4+1 Option

The accelerated undergraduate/master's studies option in Artificial Intelligence (4+1 option) allows the most qualified UM-Dearborn undergraduate Computer and Information Science (CIS) or Software Engineering (SWE) students to pursue a program of study in which BSE and MSE degrees are earned in a five-year accelerated format.

This is achieved via combining a portion of undergraduate and graduate coursework. Students can double-count up to 9 credits in this program.

For more information, please visit the Software Engineering 4 +1 Option webpage (<https://umdearborn.edu/cecs/departments/computer-and-information-science/undergraduate-programs/#:~:text=4%2B1%20Accelerated%20Masters%20Programs>) and the Accelerated Masters (4+1) Policy (<https://catalog.umd.umich.edu/academic-policies-campus/accelerated-masters/>).