## Four Year Graduation Planner

- This guide is intended to show a recommended fulltime four-year pathway to earning a bachelor degree.
- It is only a sample; there may be other pathways that lead to completion of the degree in four years.
- It is NOT intended to take the place of meetings with advisors or intended to take the place of the Degree Audit System (DARs).
Key to tables below. More details on final page.

| Core: fulfills required course for <br> major | Elective: student selected course <br> credits for major | GELS: General Education Liberal <br> Studies Goal Area |
| :--- | :--- | :--- |
| LS: Liberal Studies | Pre/Premajor: Premajor foundation <br> course | RIGR: Racial Issues Graduation <br> Requirement |

## First Year

| Course | Requirement Met | Semester Offered | Credits | Credit Hour Total |
| :---: | :---: | :---: | :---: | :---: |
| MATH 115 College Algebra | Premajor/GELS Goal 4 | Fall, Spring, Summer | 4 |  |
| ICS 140 Computational Thinking or ICS 265 C programming | Premajor | Fall, Spring, Summer | 4 |  |
| General Education Writing I | GELS Goal 1 | Fall, Spring, Summer | 3-5 |  |
| METR 101 Your Academic Journey | GELS elective | Fall, Spring | 3 | 14-16 |
| MATH 120 Precalculus | Premajor | Fall, Spring, Summer | 4 |  |
| MATH 215 Discrete Math | Premajor | Fall, Spring, Summer | 4 |  |
| ICS 141 Problem Solving with Programming | Premajor | Fall, Spring, Summer | 4 |  |
| General Education Writing II | GELS Goal 1 | Fall, Spring, Summer | 3 |  |
| General Education Communication | GELS Goal 1 | Fall, Spring, Summer | 3 | 18 |
| First Year Total |  |  |  | 32-34 |

## Second Year

| Course | Requirement Met | Semester Offered | Credits |
| :--- | :--- | :--- | :---: |
| MATH 210 Calculus I | Premajor/GELS Goal 4 | Fall, Spring, Summer | 4 |
| ICS 240 Introduction to Data Structures | Premajor | Fall, Spring, Summer | 4 |
| General Education | GELS Goal 3 | Fall, Spring, Summer | $3-4$ |

## Continued

| General Education History/Social/Behavior | GELS Goal 5 | Fall, Spring, Summer | 3-4 | 14-16 |
| :---: | :---: | :---: | :---: | :---: |
| ICS 232 Computer Organization | Premajor | Fall, Spring, Summer | 4 |  |
| ICS 311 Database Management Systems | Core | Fall, Spring, Summer | 4 |  |
| General Education | GELS Goal 10 | Fall, Spring, Summer | 3-4 |  |
| General Education | GELS Goal 3 | Fall, Spring, Summer | 3-4 | 14-16 |
| Second Year Total |  |  |  | 28-32 |
| Third Year |  |  |  |  |
| Course | Requirement Met | Semester Offered | Credits | Credit Hour Total |
| ICS 340 Algorithm Design and Analysis | Core | Fall, Spring, Summer | 4 |  |
| ICS 365 Organization of Programming Languages | Core | Fall, Spring, Summer | 4 |  |
| General Education | GELS Goal 6 and RIGR | Fall, Spring, Summer | 3-4 |  |
| General Education | GELS Goal 5, 7, and LS | Fall, Spring, Summer | 3-4 | 14-16 |
| ICS 372 Object-Oriented Design and Implementation | Core | Fall, Spring, Summer | 4 |  |
| ICS 440 Parallel and Distributed Algorithms | Core | Fall, Spring, Summer | 4 |  |
| General Education | GELS Goal 6 and 8 | Fall, Spring, Summer | 3-4 | 11-12 |
| Third Year Total |  |  |  | 25-28 |
| Fourth Year |  |  |  |  |
| Course | Requirement Met | Semester Offered | Credits | Credit Hour Total |
| ICS 462 Operating Systems | Core | Fall, Spring, Summer | 4 |  |
| ICS 460 Networks and Security | Core | Fall, Spring, Summer | 4 |  |
| Select Major Elective | Elective | varies | 4 |  |
| General Education | GELS Goal 9 and LS | Fall, Spring, Summer | 4 | 16 |
| ICS 499 Software Engineering and Capstone Project | Core | Fall, Spring, Summer | 4 |  |
| Select Major Elective | Elective | varies | 4 |  |
| General Education | GELS Goal 2 | varies | 4 | 12 |
| Fourth Year Total |  |  |  | 28 |

## Academic and graduation requirements

## Course requirements

Credit requirements: $\mathbf{1 2 0}$ total credits

- 40 upper-division credits (courses at community colleges are all lower-division courses, so they do not count toward this requirement).
- 30 credits completed at Metro State University.
- 40 general education credits.
- 8 upper-division liberal studies credits.
- 3 racial issues graduation requirement (RIGR) credits.
- All credit requirements for the major.
- Elective credits (if you are short of the 120 total credits required for graduation).

GELS: General education/liberal studies requirements (48 credits)

- Minnesota Transfer Curriculum: 40 credits. Goal areas $1-10$ are met by Minnesota community college A.A. degree. They are not met by A.S. or A.A.S degrees or community colleges outside of Minnesota.
- Liberal studies: 8 credits.
- These credits must be:
- Upper-division general education courses ( 300 to 500 level).
- Designated as a liberal studies (LS) course.
- These credits are not:
- completed by AA, AAS or AS degrees or the Minnesota Transfer Curriculum.
- met by any community college course (all community college courses are lower division, including courses that meet major requirements).


## Continued

## Racial Issues Graduation Requirement (RIGR) and transfer coursework

All new or readmitted undergraduate students admitted fall 2016 or later must complete an approved learning experience (at least 3 credits) with a significant focus on race and racism to graduate with a bachelor's degree from the university. Upon review, an approved prior learning, independent study, theory seminar or transfer course from other accredited institutions may also be used to meet this graduation requirement.

## DARS: Your degree audit report

The Degree Audit report is a degree planning tool for students that includes both transfer and Metropolitan State coursework. You can access your Degree Audit report in eServices under "Academic Records." The report includes:

- How your transfer credits have been accepted and applied to General Education and Liberal Studies, including the Minnesota Transfer Curriculum.
- All the requirements needed to complete a specific program.
- Courses that have already been completed, grades received and hours earned, both at Metropolitan State and in transfer.
- Transfer courses that have been made equivalent to Metropolitan State University courses.
- Exceptions to degree and program requirements that have been processed.
- What is still needed to complete a program, with a list of courses that will satisfy each requirement.

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To request accommodations for a disability, contact Accessibility Resources at 651.793.1549 or accessibility.resources@metrostate.edu

