# 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 major | Elective: student selected course credits for major | GELS: General Education Liberal Studies Goal Area |
| LS: Liberal Studies | Pre/Premajor: Premajor foundation course | RIGR: Racial Issues Graduation Requirement |

## First Year

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course | Requirement Met | Semester Offered | Credits | Credit Hour Total |
| MATH 115 College Algebra or MATH 120 Precalculus | 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 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 | 14 |
| First Year Total  |  |  |  | 28-30 |

## Second Year

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course | Requirement Met | Semester Offered | Credits | Credit Hour Total |
| ICS 225 Web Design and Implementation  | Premajor | Fall, Spring, Summer | 4 |  |
| CFS 262 Computer and Operating Systems Fundamentals I  | Core | Fall, Spring, Summer | 4 |  |
| General Education  | GELS Goal 3 | Fall, Spring, Summer | 3-4 |  |
| General Education History/Social/Behavior | GELS Goal 5 |  | 3-4 | 14-16 |
| CFS 264 Computer and Operations Systems Fundamentals II | Core | Fall, Spring, Summer | 4 |  |
| ICS 240 Introduction to Data Structures | 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 311 Database Management Systems | Core | Fall, Spring, Summer | 4 |  |
| CYBR 362 Networking Protocols and Analysis  | 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 370 Software Design Models | Core | Fall, Spring, Summer | 4 |  |
| CYBR 332 Computer Security | 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 325 Internet Application Development or ICS 425 Model View Architecture-based Web Application | Core | Fall, Spring, Summer | 4 |  |
| ICS 377 Interaction Design for User Experience | Core | Fall, Spring | 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 \_\_\_\_ | varies | 4 | 14-16 |
| Elective  | 120 credits | varies | 2-4 |  |
| Fourth Year Total  |  |  |  | 30-32 |

# Academic and graduation requirements

## Course requirements

### Credit requirements: 120 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)](https://www.metrostate.edu/academics/requirements/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**](https://www.metrostate.edu/academics/requirements/mntc)**: 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**](https://www.metrostate.edu/academics/requirements/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)

### 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](https://eservices.minnstate.edu/student-portal/secure/dashboard.do?campusid=076&_ga=2.232695711.1266042458.1528131366-395656484.1512420081) 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.

