

# MILLIKIN UNIVERSITY

## Computer Science - 8 Semester Plan

Semester #1	Hours	Semester #2	Hours
<b>MA140 Calculus I</b>	4	<b>CS235 Intro to Computer Science II</b>	3
<b>CS135 Intro to Computer Science</b>	3	<b>MA240 Calculus II</b>	4
Creative Arts **	3	Literature ***	3
IN140 University Seminar **	3	Humanties **	3
EN181 University Writing **	3	Natural Science with Lab **	4
Semester Total	16	Semester Total	17
<b>Cumulative Total</b>	<b>16</b>	<b>Cumulative Total</b>	<b>33</b>
Semester #3	Hours	Semester #4	Hours
<b>CS208 Discrete Mathematics for Comp Sci ****</b>	3	<b>MA303 Linear Algebra</b>	3
<b>CS337 Algorithms and Data Struct</b>	3	<b>CS308 Theory of Computation *</b>	3
<b>IS240 Foundations of Info Systems</b>	3	<b>IS221 Programming Fundamentals</b>	3
Social Science **	3	EN281 Writing in the Disciplines **	3
ICS 1 **	3	Elective	3
Semester Total	15	Semester Total	15
<b>Cumulative Total</b>	<b>48</b>	<b>Cumulative Total</b>	<b>63</b>
Semester #5	Hours	Semester #6	Hours
<b>IS321 System Analysis &amp; Design</b>	3	<b>IS370 Database Application Development</b>	3
<b>CS Elective</b>	3	<b>CS430 Computer Architecture</b>	3
Global Studies **	3	<b>CS Elective</b>	3
Historical Studies ***	3	Elective	3
Elective	4	ICS 2 **	3
Semester Total	16	Semester Total	15
<b>Cumulative Total</b>	<b>79</b>	<b>Cumulative Total</b>	<b>94</b>
Semester #7	Hours	Semester #8	Hours
CO200 **	3	<b>CS499 Senior Seminar</b>	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Semester Total	15	Semester Total	15
<b>Cumulative Total</b>	<b>109</b>	<b>Cumulative Total</b>	<b>124</b>

### NOTES:

The schedule above provides a template. Schedules will vary by student. Summer courses may be taken at Millikin or another institution (course approved through Registrar).

Courses in bold face are required.

Undergraduate graduation hour requirements: 120 credits (39 credits must be at 300 level)

To be considered full time, students must enroll in a minimum of 12 credit hours per semester.

If taking Advanced Placement courses in high school or considering dual enrollment in high school/community college courses, please speak with a faculty advisor or Registrar's Office at Millikin prior to selection/enrollment.

Students will select between additional foreign language or science hours depending on whether they choose the Bachelor of Arts or Bachelor of Science option.

\* These courses are offered on an every other year basis.

\*\* For students in the honors program, university studies courses are replaced with specific honors course requirements. Consult the bulletin for a list of these requirements.

\*\*\* Historical Studies and Literature may double dip with certain sections of some courses (e.g. honors seminars, IN250, IN350, etc.).

\*\*\*\* MA208 may be substituted for CS208

Student Name: \_\_\_\_\_

GPA	Fall _____	Spring _____	Fall _____	Spring _____	Fall _____	Spring _____	Fall _____	Spring _____
Major								
Cumulative								
Academic Alerts/ Accolades								

**Quantitative Reasoning:** The course sequences below are based on the Math ACT score. Students can also take the Compass test in the Math Department to progress more quickly through this process if the test is passed.

Math ACT Score	COURSE SEQUENCE			
16 or below	MA 087 _____	MA 091 _____	MA 098 _____	PS 201 _____
17 - 18	MA 091 _____	MA 098 _____	PS 201 _____	
19-21	MA 098 _____	PS 201 _____		
22-25	PS201 _____			

Additional Comments: