MILLIKINUNIVERSITY
Computer Science - 8 Semester Plan

Semester #1	Hours	Semester #2	Hours
MA140 Calculus I	4	**CS235 Intro to Data Science**	3
CS135 Intro to Computer Science	3	**MA240 Calculus II**	4
CS208 Discrete Mathematics for Comp Sci	3	**IS221 Programming Fundamentals**	3
IN140 University Seminar **	3	**CS300 Advanced Discrete Mathematics**	3
IN150 CRWRR I **	3	IN151 CRWRR II	3
Semester Total	16	Semester Total	16
Cumulative Total	**16**	**Cumulative Total**	**32**
Semester #3	Hours	Semester #4	Hours
CS337 Algorithms and Data Struct	3	**MA303 Linear Algebra**	3
IS240 Foundations of Info Systems	3	**CS308 Theory of Computation ***	3
Creative Arts **	3	**IS311 IT Infrastructure**	3
IN250 **	3	IN251 **	3
ICS 1 **	3	Natural Sceince with Lab **	4
Semester Total	15	Semester Total	16
Cumulative Total	**47**	**Cumulative Total**	**63**
Semester #5	Hours	Semester #6	Hours
IS321 System Analysis & Design	3	**IS370 Database Application Development**	3
CS Elective	3	**CS Elective**	3
IN350 Global Studies **	3	Literature ***	3
Historical Studies ***	3	Foreign Language OR Science (3 of 3)	3
Foreign Language OR Science (1 of 3)	4	ICS 2 **	3
Semester Total	16	Semester Total	15
Cumulative Total	**79**	**Cumulative Total**	**94**
Semester #7	Hours	Semester #8	Hours
CO200 **	3	**CS499 Senior Seminar**	3
Foreign Language OR Science (3 of 3)	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Semester Total	15	Semester Total	15
Cumulative Total	**109**	**Cumulative Total**	**124**

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: 124 credits (39 credits must be at 300 level)

To be considered full time, students must enoll 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.).