



**COMPUTER SCIENCE AND
APPLIED MATHEMATICS**
DATA ANALYTICS CONCENTRATION



Major Academic Pathway (MAP)
Bachelor of Science
Alternate Course Sequence

<p><u>Fall Semester 1</u></p> <p>ICsi 201 AMat100 MS Social Sciences Gen Ed SS Natural Sciences Gen Ed NS Humanities Gen Ed HU</p>	<p><u>Spring Semester 1</u></p> <p>ICsi 213 AMat 112 Arts Gen Ed AR U.S. Historical Perspectives Gen Ed US UUni 110 WCI</p>	<p><u>Summer 1</u></p> <p>Look for a summer job in the area of your studies</p> <p>Consider study abroad options</p>
<p><u>Fall Semester 2</u></p> <p>ICsi 210 ICsi 333 AMat 113 Foreign Language 1 FL</p>	<p><u>Spring Semester 2</u></p> <p>AMAT 214 ICsi 402 or 418 AMat 220 International Perspectives Gen Ed IP Challenges 21st Century Gen Ed CH</p>	<p><u>Summer 2</u></p> <p>Look for shadowing opportunities</p>
<p><u>Fall Semester 3</u></p> <p>AMat 308 or 362 ICsi 409 ICSI 403 Elective</p>	<p><u>Spring Semester 3</u></p> <p>AMat 363 or 367 ICsi or AMat restricted elective ICsi 431 Elective Prof Development/Elective</p>	<p><u>Summer 3</u></p> <p>Summer internship?</p>
<p><u>Fall Semester 4</u></p> <p>ICsi or AMat restricted elective AMat 464 AMat 465 Elective Elective</p>	<p><u>Spring Semester 4</u></p> <p>ICsi 490 ICSI 451 Elective Prof Development/Elective</p>	<p><u>Congratulations!</u></p>

General Education Requirements, for students matriculating Fall 2014 and after

MS Mathematics and Statistics
WCI Writing and Critical Inquiry
AR Arts
HU Humanities
NS Natural Sciences
SS Social Sciences

US U.S. Historical Perspectives
IP International Perspectives
FL Foreign Language (one semester of collegiate study, or the equivalent, of a foreign language)
CH Challenges for the 21st Century

Credit bearing Professional Development

Options:

RSSW 290, 291 and 390 – Community Service
Research within major
University internship
Departmental Internship

Community Engaged Coursework
Study Abroad
Tutoring opportunities