



Bachelor of Science in Applied Computer Science

The below classes are based on Mid-States's curriculum from the school year 2021-2022 catalog and CUW's 2021-2022 catalog.

Topical Areas for Competencies Required for Admission into the CU +2 BA-Applied Computer Science Program

CU BA-Applied Comp Science Course #'s Mid-State AAS-IT Software Developer Course #'s

Major: Applied Computer Science (36 credits total required by CU, CSC 491 Capstone Project needs to be taken at Concordia University Wisconsin)

CSC 175 Theory & Fund of Computer Science	10-152-101 (Intro to Programming 3, 3 crs)
CSC 200 Coding I-Fundamentals	10-152-121 (Object Oriented Programming!, 3 crs)
CSC 250 Coding II-Algorithms	10-152-122 (Object Oriented Programming 2, 3 crs)
CSC 300 Coding III-Data Structures	10-152-123 (Object Oriented Programming 3, 3 crs)
CSC 370 Software Engineering	10-152-175 (Software Architecture, 3 crs)
CSC 430 Database Fundamentals	<u>10-152-101</u> (Database Concepts & Design, 3 crs)

18 credits completed

Additional Core Requirements (30 credits total required by CU)

Communication & Language:

ENG 210 College Writing	10- 801-136 (English Composition, 3crs)
COMM 105 or COMM 112 OR ENG 205	10 801-198 (Speech , 3 crs or 10-801-196 Oral/Interpersonal Communication, 3 crs)

Natural World- Mathematics:

MATH 125 or MATH 128 or BUS315	10-804 -107 (College Mathematics, 3 crs or 10-84-118 Intermediate Algebra with Applications, 4 crs)
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Human Beings & Being Human:

10-809-198 (Intro to Psychology, 3 crs.)

12 credits completed

Elective Requirements (54 credits total required by CU)

Mid-State course #'s

10-152-150	Web Design 1	3 credits
10-152-159	User Experience Design	3 credits
10-152-174	Collaborative App Development	3 credits
10-156-102	SQL Development	3 credits
10-152-155	Web Programming 1	3 credits
10-152-160	Intro to Mobile Development	3 credits
10-152-161	Intermediate Mobile Development	3 credits
10-152-158	Web Programming 2	3 credits
10-801-197	Technical Reporting OR 10-804 -189 Introductory Stats.	3 credits
10-809-166	Intro to Ethics-Theory & Application	3 credits

0-152-176 Application Development Capstone 3

3 credits

33 credits completed

63 total credits