

COMPUTER STUDIES AND INFORMATION PROCESSING, WEB TECHNOLOGIES - ASSOCIATE IN SCIENCE



CWTD

Knight Campus, Warwick only

This concentration is designed for individuals who wish to acquire the training necessary to prepare them for a position in the field of Web programming or gain a broader knowledge of computer software and/or hardware.

Note: Students in this program must earn a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details (<https://catalog.ccri.edu/course-descriptions/>).

Program Learning Outcomes

Upon completion of this program, a student will be able to:

1. Demonstrate a basic level of competency in programming and logic skills.
2. Utilize web technologies.
3. Develop, Administer, and maintain a web programming system solution.
4. Administer and maintain a website.
5. Present conclusions effectively, both orally and in writing.

Requirements

Code	Title	Hours
General Education Requirements		
COMM 1010	Communication Fundamentals [^] HUMN; Non-Written Communication; Social and Professional Responsibilities	3
ENGL 1010	Composition I (or ENGL 1010A) HUMN; Written Communication; Information Literacy	3
General Education Elective (https://catalog.ccri.edu/academic-information/general-education/courses-approved-general-education-credits/)		3
Mathematics Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#mathgened/) ¹ ; MSCI		3
Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/) ^{SSCI}		3
Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/) ^{SSCI}		3
Choose ONE of the following:		3-5
Mathematics Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#mathgened/) ¹ ; MSCI		
Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#scigened/) ^{MSCI}		

Subtotal		21-23
Major Requirements		
ARTS 1840	Digital Art	3
ARTS 2840	Interactive Media Design	3
COMI 1150	Programming Concepts	3
COMI 1260	Introduction to SQL	3
COMI 1750	Web Development 1	3
COMI 1770	Web Development 2	3
COMI 1800	Computer Networking Software Linux	3
COMI 2010	Client-Side Scripting Languages	3
COMM 1400	Social Media Communication	3
COMP 1200	Database Design & Management	3
COMP 1230	Systems Analysis and Design ²	4
CNVT/COMI/COMP Electives ³		6
Subtotal		40
Total Hours		61-63

¹ See table of Math Electives below.

² Computer Studies Department recommends taking Systems Analysis and Design[^] (COMP 1230) in your final semester.

³ Take 6 credits from CNVT/COMI/COMP. See Course Descriptions (<https://catalog.ccri.edu/course-descriptions/>).

[^] Work-based learning course

Math Electives

Code	Title	Hours
MATH 1139	Mathematics for Liberal Arts Students (MATH 1139C)	3
MATH 1240	Statistical Analysis I	4
MATH 2111	Pre-Calculus Mathematics	4
MATH 2138	Quantitative Business Analysis II	3
MATH 2141	Calculus I	4
MATH 2142	Calculus II	4
MATH 2243	Calculus III	4

Recommended Course Sequence

Course	Title	Hours
Year 1		
Semester 1		
COMI 1150	Programming Concepts	3
COMI 1750	Web Development 1	3
ENGL 1010	Composition I (or ENGL 1010A)	3
Mathematics Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#mathgened/) ¹		3
Choose ONE of the following:		3
Humanities Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#humngened/)		
Mathematics Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#mathgened/)		
Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#scigened/)		

Social Science Elective (<https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/>)

Hours		15
Semester 2		
COMI 1260	Introduction to SQL ³	3
COMI 1770	Web Development 2 ³	3
COMM 1010	Communication Fundamentals [^]	3
COMM 1400	Social Media Communication	3
Choose ONE of the following:		3
Humanities Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#humngened/)		
Mathematics Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#mathgened/)		
Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#scigened/)		
Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/)		

Hours		15
Year 2		
Semester 1		
ARTS 1840	Digital Art	3
COMI 1800	Computer Networking Software Linux	3
COMP 1200	Database Design & Management	3
CNVT/COMI/COMP Elective ²		3
Choose ONE of the following:		3
Humanities Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#humngened/)		
Mathematics Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#mathgened/)		
Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#scigened/)		
Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/)		

Hours		15
Semester 2		
ARTS 2840	Interactive Media Design	3
COMI 2010	Client-Side Scripting Languages ³	3
COMP 1230	Systems Analysis and Design [^]	4
CNVT/COMI/COMP Elective ²		3
Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/)		3
Hours		16
Total Hours		61

[^] Work-based learning course

Transfer

Please meet with an Academic Advisor/Student Success Coach (<https://ccri.edu/advising/>) if you are interested in earning a bachelor's degree. Your Academic Advisor will help you select the courses that best prepare you for transfer to a four-year college or university.

Check out the Joint Admissions Agreement (<https://ccri.edu/jaa/>) if you are interested in transferring to Rhode Island College or the University of Rhode Island. The JAA program offers seamless transfer to RIC or URI with additional benefits. Transfer information, events, and articulations are available on the Transfer Center website (https://ccri.edu/oes/transfer_center/).

¹ For list of MATH courses that fulfill the Math elective requirement for this program, please see table of Math Electives on the Web Technologies Requirements page (p. 1).

² Take from CNVT/COMI/COMP (<https://catalog.ccri.edu/programs-study/computer-studies-information-processing/#coursestext>). See Course Descriptions (<https://catalog.ccri.edu/course-descriptions/>).

³ This course is offered in the Spring semester only.