

# Computer Information System A.A.S Degree

## WEB PAGE DEVELOPMENT OPTION

## RECOMMENDED 2-YEAR ACADEMIC PLAN

### REMEDIAL SEQUENCE (if required)

<input type="checkbox"/> ESL 1 (8) ►►	<input type="checkbox"/> ESL 2 (6) ►►	<input type="checkbox"/> ESL 3 (6) ►►	<input type="checkbox"/> ENG 9 (4)
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<input type="checkbox"/> ENG 1 (4) ►►	<input type="checkbox"/> ENG 2 (4)
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<input type="checkbox"/> RDL 1 (4) ►►	<input type="checkbox"/> RDL 2 (6)
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<input type="checkbox"/> MTH 1 (4) ►►	<input type="checkbox"/> MTH 5 (6)
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<input type="checkbox"/> CHM 2 (4)
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### GRADUATION REQUIREMENTS

<input type="checkbox"/> CAT-R	<input type="checkbox"/> CAT-W	<input type="checkbox"/> CAT-M	<input type="checkbox"/> GPA ≥ 2.0
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<input type="checkbox"/> Writing Intensive I	<input type="checkbox"/> Writing Intensive II
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### REQUIRED FRESHMAN SEMINAR

<input type="checkbox"/> FYS 11 <sup>2</sup>	1
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### PATHWAYS REQUIRED CORE (course list available online)

<input type="checkbox"/> A	English Composition ENG 110/111 AND ENG 112/113/114/115/116	6
<input type="checkbox"/> B <sup>3</sup>	Mathematical and Quantitative Reasoning MTH 21/23	3
<input type="checkbox"/> C <sup>4</sup>	Life and Physical Sciences AST 111 + 101, BIO 11, CHM 11, CHM 17, ENV 11, ESE 11, ESE 12, ESE 13, PHY 110 OR PHY 11	4

### PATHWAYS FLEXIBLE CORE (course list available online)

<input type="checkbox"/> A	World Cultures and Global Issues HIS 10/11 <sup>6</sup>	3
<input type="checkbox"/> B	US Experience In Its Diversity ECO 12 OR	
<input type="checkbox"/> D	Individual and Society ECO 11	3
<input type="checkbox"/> A-E <sup>6</sup>	Select an additional course from Flexible Core A through E <sup>6</sup>	3

Pathways Total: 21-22

<sup>1</sup> Students who have completed MTH 06 (or three years high school mathematics) and intend to transfer to a four-year college may take BUS 41 instead of BUS 111.

<sup>2</sup> Students must take FYS 11 prior to earning 24 degree or equated credits. This requirement will be waived for students who have earned 24 or more degree or equated credits at BCC or as a transfer student.

<sup>3</sup> Students planning to transfer to a four-year college should take MTH 30 or 31. The prerequisite for MTH 30 is MTH 6.

<sup>4</sup> Students may select either a 4-credit or a 3-credit science course. Students selecting a 3 credit course must also complete an additional 1-credit lab course to fulfill graduation requirements.

<sup>5</sup> CWE 31 is a two (2) credit course. A student should enroll in CWE one year before graduating or when starting the third semester. See the CWE advisor in Loew Hall, Career Services, during the second semester. Students who are employed full-time are not required to complete CWE.

A waiver must be obtained from the Department Chairperson by submitting documentation of current full-time employment. After a written waiver of CWE is obtained, the student must substitute the required CWE credits with any course(s) offered by the Business and Information Systems Department. College Work-Study assignments within CUNY may not be used as substitutes for the CWE internship.

<sup>6</sup> Students with remedial placement above ENG 1 & RDL 1 will take HIS 11.

<sup>7</sup> Students are encouraged to select a Flexible Core course from an area that is not already required by this program.

<sup>8</sup> Students transferring into the program with 24 or more degree or equated credits will be required to complete only 60 credits to graduate.

### SEMESTER I Freshman

Credits

<input type="checkbox"/> ENG 110 OR ENG 111	Fundamentals of Composition and Rhetoric OR Composition and Rhetoric I (Required Core A)	3
<input type="checkbox"/> BUS 111 <sup>1</sup>	Applications of Mathematics for Business	3
<input type="checkbox"/> ECO 11 OR ECO 12	Microeconomics (Flexible Core D) OR Macroeconomics (Flexible Core B)	3
<input type="checkbox"/> DAT 30	Introduction to Computer Fundamentals and Programing	3
<input type="checkbox"/> KEY 10	Digital Illustration	1
<input type="checkbox"/> DAT 33	Microcomputer Applications	2
<input type="checkbox"/> FYS 11 <sup>2</sup>	First Year Seminar	0-1
Subtotal:		15-16

### SEMESTER II Freshman

<input type="checkbox"/> ENG 112 OR ENG 113 OR ENG 114 OR ENG 115 OR ENG 116	Composition and Rhetoric II OR Writing About Literature OR Written Composition and Prose Fiction OR Written Composition and Drama OR Written Composition and Poetry (Required Core A)	3
<input type="checkbox"/> MTH 21 <sup>3</sup> OR MTH 23 <sup>3</sup>	Survey of Mathematics OR Probability and Quantitative Reasoning (Required Core B)	3
<input type="checkbox"/> BIS 13	Introduction to the Internet and Web Development	3
<input type="checkbox"/> DAT 38	Microcomputer Database Applications	3
<input type="checkbox"/> BUS 10	Introduction to Business	3
Subtotal:		15

### SEMESTER III Sophomore

<input type="checkbox"/> ACC 111	Principles of Accounting I	4
<input type="checkbox"/> Life and Physical Sciences <sup>4</sup>	AST 111, BIO 11, CHM 110, CHM 17, ENV 11, ESE 11, ESE 12, ESE 13, PHY 110 OR PHY 11 (Required Core C)	3-4
<input type="checkbox"/> LAB <sup>4</sup>	Lab Science Course	0-1
<input type="checkbox"/> CWE 31 <sup>5</sup>	Cooperative Work Experience	2
<input type="checkbox"/> HIS 10 <sup>6</sup>	History of the Modern World	3
<input type="checkbox"/> BIS 12	Multimedia Theory and Applications for Business	3
Subtotal:		16

### SEMESTER IV Sophomore

<input type="checkbox"/> DAT 35	VISUAL BASIC Programming	3
<input type="checkbox"/> COMM 12	Voice and Diction: Business and Professional Speech	2
<input type="checkbox"/> BIS 23	Advanced Web page Design and Development	3
<input type="checkbox"/> BIS 31	E-Commerce	3
<input type="checkbox"/> Flexible. Core A-E <sup>7</sup>	Select ONE course from any Flex. Core A-E <sup>7</sup>	3
Subtotal:		14

TOTAL<sup>8</sup>: 60-61