

Rowan College of South Jersey Gloucester Campus
Computer Information Systems
Associate in Science (A.S.) – Transfer
Program Requirements

The transfer program in Computer Information Systems (CIS) provides a strong foundation in both business studies and information systems. The concepts of information systems and the hands-on experience gained in the design, development, and implementation of business applications provide this foundation. Students will be prepared to transfer to a four-year college, begin a career working in the information systems field or apply their knowledge in programming, web development, and/or computer technology in an organization.

Program Learning Outcomes

Students who have completed the program will be able to:

- Demonstrate basic knowledge of information systems principles and the fundamental skills of business, programming and application software in a business computing environment
- Communicate effectively and professionally with a broad range of audiences
- Analyze a problem, critically investigate and define computing requirements appropriate to its solution
- Demonstrate knowledge of programming processes including planning, writing, testing, executing and debugging
- Demonstrate knowledge of web and database design, development and management in a business information environment

Required Core and Elective Courses

<u>Communications</u>			
ENG 101	English Composition I		3
ENG 102	English Composition II		3
<u>Humanities and Social Science</u>			
_____	Humanities Elective		3
ECO 101	Principles of Economics I		3
ECO 102	Principles of Economics II		3
<u>Math, Science, & Tech</u>			
MAT 103	Statistics		3
_____	Lab Science Elective		4
<u>Computer Info. Systems</u>			
CIS 102	Introduction to Computers		4
CIS 110	Fundamentals of Programming		4
CIS 120	Spreadsheets – EXCEL		4
CIS 151	Web Development - HTML/CSS		4
CIS 154	Advanced Web Development		3
CIS 207	Management Information Systems		3
CIS 210	Relational Databases		4
CIS 251	Web Programming		3
CIS 264	Database Applications		3
<u>Business Elective*</u>			
	Select 1 of the following courses		
BUS 102	Accounting I	OR	
BUS 107	Business Law I	OR	
BUS 207	Accounting Info. Systems	OR	3-4
BUS 221	Principles of Marketing	OR	
BUS 231	Principles of Management		
<u>Program Elective*</u>			
	Select 1 of the following courses		
BUS 224	Social Media Marketing and Web Analytics	OR	
CIS 220	It Help Desk/Technical Support	OR	
CIS 200	Principles of Information Security	OR	3
CEP 211	Corporate Education Experience		
<u>TOTAL MINIMUM CREDITS:</u>			60

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Computer Information Systems
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Four Semester Sequence of Courses

FIRST YEAR

Credits

Fall Semester

___	ENG 101	English Composition I	3
___	MAT 103	Statistics	3
___	CIS 102	Introduction to Computers	4
___	CIS 151	Web Development - HTML/CSS	4
			14

Spring Semester

___	ENG 102	English Composition II	3
___	CIS 110	Fundamentals of Programming	4
___	CIS 120	Spreadsheets - EXCEL	4
___	CIS 154	Advanced Web Development	3
			14

SECOND YEAR

Credits

Fall Semester

___	ECO 101	Principles of Economics I	3
___	CIS 210	Relational Databases	4
___	CIS 251	Web Programming	3
___	___	Humanities Elective	3
___	___	Business Elective*	3-4
			16-17

Spring Semester

___	ECO 102	Principles of Economics II	3
___	CIS 207	Management Information Systems	3
___	CIS 264	Database Application Development	3
___	___	Program Elective**	3
___	___	Lab Science Elective	4
			16

TOTAL MINIMUM CREDITS: **60**

Business Elective*

		Select 1 of the following courses	
___	BUS 102	Accounting I	
___	BUS 107	Business Law I	
___	BUS 207	Accounting Information Systems	
___	BUS 221	Principles of Marketing	
___	BUS 224	Social Media Marketing and Web Analytics	
___	BUS 231 ¹	Principles of Management	3-4

Program Elective**

		Select 1 of the following courses	
___	CIS 200 ²	Principles of Information Security	
___	CIS 220	It Help Desk/Technical Support	
___	CEP 211	Cooperative Education Experience	3

¹ BUS231 is recommended for transfer to Wilmington University

² CIS 200 is recommended for transfer to Wilmington University