



# MOLLOY UNIVERSITY

School of Arts & Sciences  
Department of Mathematics  
and Computer Studies

## **Computer Information Systems B.S.**

The Computer Information Systems B.S. provides students with the practical knowledge and skillsets in technologies to manage the needs of businesses. The Computer Information Systems degree is similar to Computer Science but covers a broader range of topics in technology and computing systems. Students tend to be more hands on with applications and examine business case studies to understand how technologies fulfill specific purposes. The program includes both a capstone project and internship to gain real-life experiences.

### **Essential Skills:**

Essential skills refer to the knowledge gained from a liberal arts education. They provide a framework to guide students' progress toward their degree, but also prepare students for a broad range of career paths. A recent survey from the Association of American Colleges and Universities (AAC&U) shows employers "strongly agree" that "regardless of a student's field of study" liberal arts skills best prepare students to enter the job market in their career of choice.

1. Critical Thinking:
  - a. Make decisions and solve problems using sound, inclusive reasoning and judgment.
2. Equity & Inclusion
  - a. Demonstrate the awareness, attitude, knowledge, and skills required to equitably engage and include people from different local and global cultures.
  - b. Advocate for inclusion, equitable practices, justice, and empowerment for historically marginalized communities.
3. Information Literacy:
  - a. Gather and analyze information from a diverse set of sources and individuals to fully understand a problem.
  - b. Manipulate information, construct ideas, and use technology to achieve specific goals.
4. Inquiry and Analysis:
  - a. Accurately summarize and interpret information with an awareness of personal biases that may impact outcomes.
  - b. Identify appropriate technology for completing specific tasks.
5. Written and Oral Communication:
  - a. Understand the importance of and demonstrate verbal, written, and non-verbal/body language, abilities.
  - b. Communicate in a clear and organized manner so that others can effectively understand.

### **Employment Information**

#### Representative Job Titles Related to this Major Include:

Web Developer, Systems Administrators, Software Developer, Programmer Analyst, Technical Support Specialist, Database Manager, Information Technology Manager, and many more.

#### Representative Employers to the Major Include:

CIS graduates can work in most industries including finance, government, healthcare, insurance, education, manufacturing, and telecommunications.

<b>FIRST YEAR</b>			
<b>Fall Courses</b>		<b>Spring Courses</b>	
FST 1000	1	CIS [1030 or 2350]/CSC [1200 or 2430]	3
CIS 1050	3	CIS ELECTIVE	3
MAT 1150A	3	BUS 1010	3
COM GEN ED	3	ENG 1100 GEN ED	3
PED GEN ED	1	MAT [1180 or 2210]	3 – 4
CIS 1120	3		
<b>Total Credits</b>	<b>14</b>	<b>Total Credits</b>	<b>15 - 16</b>
<b>SECOND YEAR</b>			
<b>Fall Courses</b>		<b>Spring Courses</b>	
CIS [1030 or 2350] or CSC [1200 or 2430]	3	CIS 3600	3
CIS 2240	3	CIS 2550 or CIS ELECTIVE	3
ACC 2600	3	LANGUAGE/LIT GEN ED	3
ART/MUS GEN ED	3	PHI/ETH/TRS GEN ED	3
LANGUAGE/LIT GEN ED	3	ELECTIVE	3
<b>Total Credits</b>	<b>15</b>	<b>Total Credits</b>	<b>15</b>
<b>THIRD YEAR</b>			
<b>Fall Courses</b>		<b>Spring Courses</b>	
CIS 3180	3	CIS 3390	3
BUS 2010	3	CORE GEN ED	4
PHI/ETH/TRS GEN ED	3	SCIENCE GEN ED	3
HIS/POL/PSY/SOC GEN ED	3	HIS/POL/PSY/SOC GEN ED	3
ELECTIVE	3	ELECTIVE	3
<b>Total Credits</b>	<b>15</b>	<b>Total Credits</b>	<b>16</b>
<b>FOURTH YEAR</b>			
<b>Fall Courses</b>		<b>Spring Courses</b>	
CIS 4600	3	CIS 4900	3
MKT 2300 or ECO 2510	3	ELECTIVES	11 - 12
HIS/POL/PSY/SOC GEN ED	3		
ELECTIVES	6		
<b>Total Credits</b>	<b>15</b>	<b>Total Credits</b>	<b>14 - 15</b>
<b>Total Credits to Graduate</b>			<b>120</b>

Further Resources:

See the following resources: [National Association of Colleges & Employers: Career Readiness Defined](#), [AAC&U, What Can I Do with This Major?](#), and [Molloy Undergraduate Catalog](#).

**Notice:**

This 8-semester plan is not a contract, either expressed or implied, between the University and the student, but represents a flexible program of the current curriculum which may be altered periodically to carry out the academic objectives of the University. The University specifically reserves the right to change, delete or add to any 8-semester plan at any time within the student's period of study at the University.