

COMPUTER INFORMATION SYSTEMS (CIS) PROGRAM
CIP: 11.0101
Standard Certificate

This program is designed to serve students planning to enter the business data processing field and those already employed who need specialized skills required by the computing industry. This curriculum is not designed to transfer to a four-year institution; however, some courses will transfer. Consult the catalog of the transfer institution and the STARS Transfer Guide at <http://stars.troy.edu>. Students must have a "C" average or better in all CIS courses credited toward the certificate and a 2.0 cumulative grade point average in all courses attempted at the College.

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CIP: 11.0101
Standard Certificate Curriculum Display by Semester

Prefix #	First Year – Fall	Theory	Lab	Sem. Hrs.
CIS 130	Introduction to Information Systems	3	0	3
CIS 146	Microcomputer Applications	3	0	3
CIS 191	Introduction to Computer Programming Concepts	3	0	3
CIS 249	Microcomputer Operating Systems	3	0	3
ORI 101	Orientation to College	2	0	2

Semester Total = 14 SH

Prefix #	First Year – Spring	Theory	Lab	Sem. Hrs.
CIS 113	Spreadsheet Software (Excel)*	3	0	3
CIS 268	Software Support*	3	0	3
CIS 269	Hardware Support *	3	0	3
CIS 153	Introduction to Unity 3D Scripting*	3	0	3
ENG 101	English Composition	3	0	3

*Prerequisite Required

Semester Total = 15 SH

Prefix #	Second Year – Fall	Theory	Lab	Sem. Hrs.
CIS 111	Word Processing Software (Microsoft Word)*	3	0	3
CIS 117	Database Management Software (Access)*	3	0	3
CIS 251	C++ Programming*	3	0	3
CIS 207	Introduction to Web Development*	3	0	3
MTH	MTH 116 or higher (If transferring, students need MTH 125 Calculus I)	3	0	3

*Prerequisite Required

Semester Total = 15 SH

Prefix #	Second Year – Spring	Theory	Lab	Sem. Hrs.
	Choose two courses from the list below:			6
CIS 161	Introduction to Networking*	3	0	3
CIS 280	Network Security*	3	0	3
CIS 160	Multimedia for the World Wide Web*	3	0	3
CIS 223	Three Dimensional Computer Modeling*	3	0	3

*Prerequisite Required

Semester Total = 6 SH

Certificate Program Total = 50 SH

Typing proficiency is a prerequisite for CIS 146 and other programming courses. Students who are not proficient should take a keyboarding class prior to enrollment.