Information Technology

HEARTLAND
COMMUNITY COLLEGE

Associate in Applied Science
60-61 Semester Hours

General Education Requirements   hrs

COMM	101	Intro to Oral Communication	3
ENGL	101	Composition I	3
MATH		Elective (MATH 109 or higher)	4
Science Elective			4
Humanities Elective or Social Science Elective			3

TOTAL 17

Core Requirements

BUSN	145	Employment Success Strategies	1
CSCI	101	Intro to Computer Information Science	4
CSCI	110	Intro to Database Management Systems	3
CSCI	130	Computer Science I	4
NETW	150	Workstation Operating System	3
NETW	160	Introduction to Networking	3

TOTAL 18

Technical Elective/Specialization**

Electives as approved by advisor or STEM & Business Division. Electives are recommended from the option or specialization areas outlined below and may include internship or special topics courses. Students who intend to transfer to a four-year school should contact an advisor or the department.

**Option/Emphasis Areas:

Computer Science Option   hrs

CSCI	115	Discrete Structures	4
CSCI	131	Computer Science II	4
CSC	200-Level elective		6
MATH	141	Introduction to Statistics	4
MATH	161	Calculus I	4
Electives	(course selected from CSCI/DMED/NETW areas)		3

TOTAL 25

Information Systems Option   hrs

ACCT	200	Financial Accounting	4
CSCI	135	COBOL Programming I	3
CSCI	136	Programming in Visual Basic	3
MATH	141	Introduction to Statistics	4
BUSN	Elective (courses selected from BUSN area)		6
CSCI	Elective (courses selected from CSCI area)		6

TOTAL 26

Web Application Developer Option   hrs

CSCI	115	Discrete Structures	4
CSCI	131	Computer Science II	4
CSCI	233	Enterprise Application Programming in Java I	3
Or			
CSCI	234	Enterprise Application Programming in Java II	3
DMED	110	Web Page Development	3
DMED	150	Interactive Digital Media	3
DMED	160	Web Server Administration	3
DMED	210	Advanced Web Page Design	3
DMED	270	JavaScript	3
Or			
DMED	275	PHP	3

TOTAL 26

Mobile Application Developer Option   hrs

Two of the following:

CSCI	151	iOS Development	4
CSCI	152	Windows Mobile Development	4
CSCI	153	Android Development	4

Two of the following three courses:

CSCI	251	Mobile Game Programming	4
CSCI	252	Mobile Application Programming	4
CSCI	253	Mobile Communications Programming	4
Elective (courses selected from CSCI/DMED/NETW areas)			9

TOTAL 25

Program Description

The Associate in Applied Science degree in Information Technology prepares the student for a variety of entry-level positions. Examples include application programmer, business programmer, user support/help desk technician and computer operator. Students receive two semesters of hands-on programming experience in a high-level programming language, such as, Java and have the choice of selecting a second language from the programming language electives group.