



# INFORMATION TECHNOLOGY INSTITUTE/CIS ADVISING GUIDE



Computer Information Systems AAS	Application Developer CERT	Network Administrator CERT	Computer Support Specialist CERT	Database Administrator CERT	Website Developer CERT	Video Game Design and Animation CERT
Computer Programmers write code to create software programs. They turn the program designs into instructions that a computer can follow.	Application Developers design, develop, create, and modify general computer application software or specialized utility programs. They write code to create programs. This entails analyzing user needs and developing software solutions.	Network Administrators are responsible for the day-to-day operation of an organization's computer networks. They organize, install, and support computer systems, networks, and data communication systems.	Computer Support Specialists provide help to people and organizations using computer software or equipment. They also function as help-desk technicians that assist users who are having computer problems.	Database Administrators (DBAs) use specialized software to store and organize data. They are responsible for backing up systems to prevent data loss and ensuring the integrity of the database.	Website developers create visual concepts, by using computer software, to communicate ideas that inspire, inform, or captivate consumers. They create websites to help firms have a public face.	Multimedia Artists and Animators create two- and three-dimensional animation and visual effects for television, movies, video games, and other media.
The median annual wage for computer programmers was \$82,240 in May 2017. Employment is projected to decline 7% from 2016 to 2026.	The median annual wage for computer programmers/developers was \$82,240 in May 2017. Employment is projected to decline 7% from 2016 to 2026.	The median annual wage for Network Systems Administrators was \$81,000 in April 2017. Employment is projected to grow 6% from 2016 to 2026.	The median annual wage for Computer Support Specialists was \$52,810 in May 2017. Employment is projected to grow 11% from 2016 to 2026.	The median annual wage for database administrators was \$87,020 in May 2017. Employment is projected to grow 11% from 2016 to 2026.	The median annual wage for developers was \$67,990 in May 2017. Employment is projected to grow 15% from 2016 to 2026.	The median annual wage for Multimedia Artists and Animators was \$70,530 in May 2017. Employment is projected to grow 8% from 2016 to 2026.
CIS110, ENG119, CIS112, BUS225, CIS203, CIS241, CIS Elective, CIS207, MAT113, ENG Elective, PS101, CIS209, SPH101, CIS210, Social Science, CIS212, Natural Science w/Lab, Humanities	CIS110, BUS225, SPH101, CIS130, CIS207, CIS241, CIS215, CIS217, CIS220	CIS110, CT211, CIS210, CIS240, CT210, CIS237, CIS243	CIS210, CIS240, CT210, CT211, CIS212, CIS245, CIS249, CIS248	BUS225, CIS112, CIS120, CIS203, CIS210, CIS246, CIS240, CIS247, OIS254	CIS110, CIS112, CIS241, BUS228, CIS266, CIS213, CIS267, CIS258, CIS250	CIS110, VGD268, ART115, DMP101, CIS266, VGD269, VGD270, VGD271, VGD272, VGD999

## COURSE LEGEND

ART 115 Basic Drawing for Animation	CIS 212 LINUX	CIS 248 Computer Support II	MAT 131 Descriptive Statistics
BUS 225 Computer Applications in Business	CIS 213 Web Design Methodology and Technology	CIS 249 Computer Support I	OIS 254 Microsoft Access Specialist
BUS 228 Internet Web Page Design	CIS 215 iOS Application Development	CIS 250 E-commerce Strategies and Practices	PS 101 American Government
CIS 110 Introduction to Computer Information Systems	CIS 217 Android Application Development	CIS 258 Java script/PER	SPH 101 Fundamentals of Speech
CIS 112 Structured Design	CIS 220 Application Development Capstone Project	CIS 260 System Analysis and Design	VGD 268 Computer Games Foundations
CIS 120 Introduction to Database Concepts	CIS 237 Cisco CCNA	CIS 266 Introduction to Graphic Design	VGD 269 Introduction to 3D Graphics and Animation
CIS 130 Introduction to Application Development	CIS 240 Networking Essentials	CIS 267 Understanding and Developing Multimedia	VGD 270 3D Character Development and Animation
CIS 203 Visual Basic Programming Language	CIS 241 Internet Foundations	CT 210 Comp TIA A+	VGD 271 Introduction to 3D Design
CIS 207 Java Programming Language	CIS 243 Network Security Fundamentals	CT 211 Computer Networking I	VGD 272 Texturing Fundamentals
CIS 209 C Programming Language	CIS 245 Wireless Networking	DMP 101 Story Elements for a Digital Environment	VGD 999 Computer Game Project
CIS 210 Introduction to Operating Systems	CIS 247 Oracle Database Administrator II	ENG 119 English I	