Computer & Information Technologies Program

Internet Technologies

(Academic Plan code 1101017089 subplan code 110101710)

The Internet Technologies option prepares students to design, program, and maintain Internet-based services. With specializations in web programming and web server administration, this option will help prepare students for positions developing and maintaining interactive web sites.

**General Education Core courses:**
- ENG 101 Writing I
- MAT 126 Technical Algebra and Trigonometry (OR higher)
- Social Interaction Course
- Heritage/Humanities
- Natural Science Course

*All incoming freshmen are required to successfully complete FYE 105 within their first 18 hours. Note: This requirement does not apply to students transferring in to JCTC*

**Technical Core courses:**
- CIT 105 Introduction to Computers
- CIT 111 Computer Hardware and Software
- CIT 120 Computational Thinking
- CIT 150 Internet Technologies OR CIT 155 Web Page Development OR CIT 157 Web Site Design and Production
- CIT 170 Database Design Fundamentals
- Level I Networking Course
- CIT 180 Security Fundamentals
- Level I Programming Language Course
- CIT 291 CIT Capstone

**Internet Technologies Track:**
- CIT 150 Internet Technologies AND/OR CIT 155 Web Page Development AND/OR CIT 157 Web Site Design and Production (whichever was not taken in core)
- CIT 253 Data-Driven Web Pages: Topic
- CIT 257 Applied Internet Technologies OR CIT 258 Internet Technologies Seminar

Completion of Internet Technologies Specialization Sequences

**Choose from one of the following two Sequences:**

**Web Programming Specialization Sequence:**
- Level I Web Programming Language
- Level II Web Programming Language
- CIT 171 SQL I
- CIT Technical Course

**Web Administration Option Sequence:**
- CIT 219 Internet Protocols
- CIT 255 Web Server Administration

- CIT 214 Microsoft Server Configuration AND CIT 215 Microsoft Server Administration

**OR**

- CIT 214 Microsoft Server Configuration AND CIT 216 Microsoft Server Advanced Services

**OR**

- CIT 217 UNIX/Linux Administration AND CIT 218 UNIX/Linux Net Infrastructure

**Level I Networking Courses:**
- CIT 160 Intro to Networking Concepts
- CIT 161 Introductions to Networks

**Level I Programming Language Courses:**
- CIT 140 JavaScript I
- CIT 141 PHP I
- CIT 142 C++ I
- CIT 143 C# I
- CIT 144 Python I
- CIT 145 Perl I
- CIT 147 Programming I: Language
- CIT 148 Visual Basic I
- CIT 149 Java I
- CIT 171 SQL I
- University Level I programming Languages as approved by Program Coordinator

**Level I Web Programming Language Courses:**
- CIT 241 PHP II
- CIT 248 Visual Basic II
- CIT 249 Java II

**CIT Technical Courses:**
Any additional CIT course not otherwise required by the option excluding CIT103 OR any other course approved by Program Coordinator

For additional information contact:

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MM 09.06.2016