2018-2019 TTC Catalog

Computer Technology - Computer Programming

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Associate in Applied Science in Computer Technology

Computer Programming Career Path

69 Credit Hours

The Computer Programming degree track provides technical competencies required to be productive in an entry-level programming position. This degree track provides skills in a variety of modern programming languages such as JavaScript, Java, JQuery, PHP, CSS, HTML and SQL. Graduates will be equipped with programming skills to find employment as business-application programmers, database managers and system analysts. They also will plan, design and develop programming applications, as well as create and host web applications. These valuable skills enable graduates to work in IT for small businesses, public and private corporations, and in private practices.

Students can earn only one Computer Technology degree in a single career path.

Accreditation

Accounting, Business and Management, Computer Technology and Administrative Office Technology
Accreditation Council for Business Schools and Programs
11520 West 119th St.
Overland Park, KS 66213

General Education Core Requirements

ECO 210 Macroeconomics 3
or
ECO 211 Microeconomics 3
ENG 101 English Composition I 3
IDS 109 First Year Experience Seminar 3
MAT 109 College Algebra with Modeling 3
or
MAT 110 College Algebra 3
or
MAT 120 Probability and Statistics 3

REQ HUM	Select from Humanities	3

Total: 15

Major Requirements

CPT 162 Introduction to Web Page Publishing 3

CPT 167 Introduction to Programming Logic 3
CPT 187 Object-Oriented Logic and Design 3
CPT 202 SQL Programming I 3
CPT 237 Advanced Java Programming 3
CPT 242 Database 3
CPT 264 Systems and Procedures 3
CPT 275 Computer Technology Senior Project 3
IST 190 Linux Essentials 3
IST 220 Data Communications 3
IST 239 Datum and JavaScript 3
MGT 270 Managerial Communication 3

Total: 36

Electives

Select six courses from the following.

CPT 114 Computers and Programming 3 *
CPT 180 Shell Scripting 3
CPT 238 Internet Scripting 3
CPT 244 Data Structures 3
CPT 262 Advanced Web Page Publishing 3
CPT 283 PHP Programming I 3
CPT 297 Big Data Analytics 3
IST 235 Handheld Computer Programming 3
IST 272 Relational Database 3
IST 274 Database Administration 3
IST 290 Special Topics in Information Sciences 3
CWE 113 Cooperative Work Experience 3

*Students who previously completed CPT 167 with a minimum grade of C will not receive credit toward
graduation for CPT 114.

Total: 18

Admission Requirements

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.