



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

CVTC Program: Information Technology - Software Developer 2021

Lakeland University Program: Computer Science, Software Design emphasis 2021

Minimum GPA for admission: 2.0

Review Date:

| General Education Courses | | | | | |
|--|------------------------------------|-----------|--|---------------------------------|-----------|
| Technical College | | | Lakeland | | |
| Course No. | Course Title | Credits | Course No. | Course Title/Field | Credits |
| 801-196 | Oral / Interpersonal Communication | 3 | COM 111 | Fundamentals of Public Speaking | 3 |
| 801-136 | English Composition 1 | 3 | GEN 110 | Composition I: Academic Writing | 3 |
| 804-133 | Math and Logic | 3 | | An elective course | 3 |
| 809-198 | Intro to Psychology | 3 | PSY 200 | General Psychology | 3 |
| 809-196 | Introduction to Sociology | 3 | SOC 100 | Introduction to Sociology | 3 |
| Total general education credits earned: | | 15 | Total general education credits accepted: | | 15 |

| Occupational Courses | | | | | |
|---------------------------------------|-------------------------------------|-----------|---------------------------------------|------------------------------------|-----------|
| Course No. | Course Title | Credits | Course No. | Course Title | Credits |
| 152-118 | Intro to Computers & Programming | 3 | CPS 100 | Introduction to Computers | 3 |
| 152-107 | Web 1 - HTML and CSS | 3 | | An elective course | 3 |
| 152-101 | Programming Fundamentals | 3 | CPS 200 | Programming I | 3 |
| 152-132 | Database 1 | 3 | CPS 210 | Database Basics | 3 |
| 152-103 | .NET Application Development | 3 | | An elective course | 3 |
| 152-142 | Object Oriented Programming | 3 | CPS 315 | Object-Orientation Programming I | 3 |
| 152-108 | Web 2 - Client Side | 3 | | An elective course | 3 |
| 152-129 | Java Web Programming | 3 | CPS 316 | Object-Orientation Programming II | 3 |
| 152-136 | Database 2 | 3 | | An elective course | 3 |
| 152-159 | Web 3 - Interactive Media OR | 3 | CPS 280 | Special Topics in Computer Science | 3 |
| 152-161 | 3D Simulation Development | | | | |
| 152-114 | iOS Development OR | 3 | | An elective course | 3 |
| 152-105 | .NET - ASP | | | | |
| 152-151 | Android Development | 3 | CPS 435 | Mobile Application Development | 3 |
| 152-126 | Agile Programming | 3 | | An elective course | 3 |
| 152-164 | Web 4 - Server-Side | 3 | | An elective course | 3 |
| 152-166 | IT Developer Capstone | 3 | | An elective course | 3 |
| Elective credits allowed: | | | | | |
| Total of Occupational/Elective | | 45 | Total of Occupational/Elective | | 45 |
| Total transferable credits: | | 60 | Total transferable credits: | | 60 |

NOTE: Transfer credits noted assume completed Associate's Degree.

Courses needed to complete degree at Lakeland University:

| Course No. | Course Title | Credits |
|--|---|-----------|
| GEN 112 | Composition II: Argumentation & Research | 3 |
| GEN 3XX | CORE II: Exploring the Human Condition | 3 |
| GEN 4XX | CORE III: Shaping the Future | 3 |
| CPS 212 | Programming II | 3 |
| CPS 362 | Introduction to Data Structures | 3 |
| CPS 442 | Data Management & Warehousing | 3 |
| CPS 445 | Systems Analysis & Design (Writing Intensive) | 3 |
| MAT 250 | Discrete Mathematics | 3 |
| Software Design Emphasis | | |
| CPS 313 OR | Advanced Programming OR | 3 |
| CPS 221 | COBOL Programming | |
| CPS 314 | Programming Languages | 3 |
| Two additional courses from the following: | | 6 to 7 |
| CPS 250 | Cybersecurity I | |
| CPS 314 | Programming Languages | |
| CPS 318 | Computational Modeling and Visualization | |
| CPS 323 | Computer Architecture | |
| CPS 325 | Networking and Telecommunications | |
| CPS 400 | Internship in Computer Science | |
| CPS 420 | Operating Systems | |
| CPS 421 | Human-Computer Interaction Lab I [^] | |
| CPS 422 | Human-Computer Interaction Lab II [^] | |
| CPS 425 | Artificial Intelligence | |
| CPS 426 | Game Design and Development | |
| CPS 450 | Cybersecurity II | |
| CPS 452 | Information Technology Project Management | |
| CPS 455 | Predictive Analysis | |
| CPS 480 | Special Topics in Computer Science | |
| CPS 490 | Independent Study in Computer Science | |
| | Up to four semester hours from the following non-CPS designated courses | |
| MAT 370 | Numerical Analysis | |
| | A foreign language course | |
| Elective credits needed to reach 120 credit minimum: | | 23 to 24 |
| Total credits needed at Lakeland University to complete degree: | | 60 |

[^] Courses only offered on the main campus