

**Parkland College and University of Illinois at Springfield
Transfer Guide
From A.A.S. in Programming / Database Management
to B.S. in Computer Science**

Parkland College

First Semester

CIS 101 Introduction to Computers <i>or</i> CIS 200 Business Computer Systems	3
CIS 111 Information Technology Careers Overview	1
CSC 140 Java Programming with Object Oriented Design	3
CIS 137 Operating System Concepts	3
ENG 101 Composition I*	3
MAT 108 Statistics*	<u>3</u>
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Second Semester

CIS 138 Database Applications (MS Access)	3
CSC 128 Introduction to Linux	3
CSC 176 Database Theory	3
CSC 256 Advanced Java with Networking	3
ENG 102 Composition II*	3
CTC 174 Spreadsheet Applications I	<u>1</u>
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Third Semester

CIS 238 Database Application Development	3
CSC 125 Computer Science II (C++)	3
CSC 191 Oracle I: SQL	4
CSC 192 Oracle II: Database Administration	4
SPE 101 Introductory Speech Communication*	<u>3</u>
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Fourth Semester

CIS 152 Web Design I	3
CIS 211 Visual Basic Programming	3
CIS 231 System Analysis, Design, and Administration	3
MAT 128 Calculus I (replaces CIS 297 & 298)*	5
Social/Behavioral Science (IAI)*	<u>3</u>
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*Must be completed with grade of "C" or better

Note: CIS 297 and CIS 298 are not required for students transferring to UIS

Total: 66 Semester hours

University of Illinois at Springfield

Core CS Requirements at UIS (Total: 24 hours)

CSC 376 (Computer Organization), CSC 385 (Data Structures and Algorithm), CSC 387 (Foundation of Computer Science), CSC 388 (Programming Languages), CSC 389 (Intro to Operating Systems), CSC 478 (SW Engineering Capstone)

Other Required Courses (Total: 39 hours)

MAT 302 (4 hours), 1-Lab Science (4 hours), 1-Non-Lab Science (3 hours), 2-Social/Behavioral Science (6 hours), 3-Humanities (9 hours), ECCE Courses (13 hours)

Total: 63 Semester hours

Program Total: 129 Semester hours

For more information about:

UIS Admissions: Dennis Frueh, Assistant Director, frueh.dennis@uis.edu, 217.206.7285

UIS Online Program Admissions: Barb Selvaggio, Online Program Coordinator-CS, csonline@uis.edu, 217.206.6420