

Student ID: _____ **Catalog: In-Process 2019-2020 Vincennes University**
Student Name: _____ **Catalog**
Adviser Name: _____ **Program: Computer Science 5004, A.S. Transfer**
Minimum Credits Required: _____

Computer Science 5004, A.S. Transfer

A Two-Year Program Leading to the A.S. Degree

This program provides students with a comprehensive degree program in computer science and satisfies the Computer Science Transfer Single Articulation Pathway (TSAP) created under Indiana Senate Enrolled Act 182 passed in 2013. Learning outcomes are delivered through a blend of theory and hands on applications and projects. Students will be equipped to logically solve problems and design systems, while using advanced mathematic calculations and computational thinking. The A.S. in Computer Science prepares students for employment in various business, industry, and government positions that include computer scientists, information technology professionals, and software developers. After successful completion of this degree, students may enter the workforce at the entry-level position or transfer to a four-year baccalaureate degree program.

Major Program Requirements

Course Name	Credit Hours:	Term Taken	Grade	Gen Ed
CNET 151 - Information and Data Security I (Sem I) 3 lecture/laboratory hours.	3 hrs			
COMP 177 - Introduction to Programming Logic, Design and Development (Sem I) 3 class hours.	3 hrs			
COMP 185 - Introduction to Databases (Sem I) 3 lecture/laboratory hours.	3 hrs			
COMP 191 - Computer Science I (Sem II) 3 lecture/laboratory hours.	3 hrs			
COMP 215 - Database Management/SQL (Sem I, II) 3 lecture/laboratory hours.	3 hrs			
COMP 252 - Introduction to Java Programming (Sem I, II) 3 lecture/laboratory hours.	3 hrs			
COMP 291 - Computer Science II (Sem I) 3 lecture/laboratory hours.	3 hrs			
COMP 295 - Systems Development (Sem II) 3 lecture/laboratory hours. Writing Reading and Speaking Intensive Course	3 hrs			
CSCI 280 - Discrete Structures (Sem II) 3 lecture/laboratory hours.	3 hrs			
MATH 116 - Survey of Calculus II (Sem II) 3 lecture hours.	3 hrs			

University Core Curriculum Requirements

Course Name	Credit Hours:	Term Taken	Grade	Gen Ed
Composition				
ENGL 101 - English Composition I (Sem I, II) 3 class hours.	3 hrs			
Mathematics				
MATH 115 - Survey of Calculus I (Sem I, II) 3 lecture hours.	3 hrs			
Speech				

COMM 143 - Speech (Sem I, II) 3 class hours.	3 hrs			
Laboratory Science				
BIOL 100 - Biology: Connections and Impacts -and- BIOL 100L - Biology: Connections and Impacts Laboratory 1 hr (Sem I, II) 3 lecture hours.	3 hrs			
Social Science				
PSYC 141 - Applied Psychology (Sem I, II) 3 lecture hours.	3 hrs			
Humanities Humanities Elective 3 hrs				
Writing				
ENGL 102 - English Composition II (Sem I, II) 3 class hours.	3 hrs			
UCC Electives				
ECON 202 - Macroeconomics (Sem I, II) 3 lecture hours.	3 hrs			
CHEM 103 - Introduction to Chemistry -and- CHEM 103L - Introduction to Chemistry Laboratory 2 hrs (Sem I, II) 3 lecture hours.	3 hrs			
List of elective courses				

Recommended Sequence of Courses

Semester I

Course Name	Credit Hours:	Term Taken	Grade	Gen Ed
CNET 151 - Information and Data Security I (Sem I) 3 lecture/laboratory hours.	3 hrs			
COMP 177 - Introduction to Programming Logic, Design and Development (Sem I) 3 class hours.	3 hrs			
COMP 185 - Introduction to Databases (Sem I) 3 lecture/laboratory hours.	3 hrs			
ENGL 101 - English Composition I (Sem I, II) 3 class hours.	3 hrs			
MATH 115 - Survey of Calculus I (Sem I, II) 3 lecture hours.	3 hrs			

Total Hours: 15

Semester II

Course Name	Credit Hours:	Term Taken	Grade	Gen Ed
COMM 143 - Speech (Sem I, II) 3 class hours.	3 hrs			
COMP 191 - Computer Science I (Sem II) 3 lecture/laboratory hours.	3 hrs			
COMP 252 - Introduction to Java Programming (Sem I, II) 3 lecture/laboratory hours.	3 hrs			

ENGL 102 - English Composition II (Sem I, II) 3 class hours.	3 hrs			
MATH 116 - Survey of Calculus II (Sem II) 3 lecture hours.	3 hrs			
Total Hours: 15				
Semester III				
Course Name	Credit Hours:	Term Taken	Grade	Gen Ed
BIOL 100 - Biology: Connections and Impacts -and- BIOL 100L - Biology: Connections and Impacts Laboratory 1 hr (Sem I, II) 3 lecture hours.	3 hrs			
COMP 215 - Database Management/SQL (Sem I, II) 3 lecture/laboratory hours.	3 hrs			
COMP 291 - Computer Science II (Sem I) 3 lecture/laboratory hours.	3 hrs			
ECON 202 - Macroeconomics (Sem I, II) 3 lecture hours.	3 hrs			
PSYC 141 - Applied Psychology (Sem I, II) 3 lecture hours.	3 hrs			
Total Hours: 16				
Semester IV				
Course Name	Credit Hours:	Term Taken	Grade	Gen Ed
CHEM 103 - Introduction to Chemistry -and- CHEM 103L - Introduction to Chemistry Laboratory 2 hrs (Sem I, II) 3 lecture hours.	3 hrs			
CSCI 280 - Discrete Structures (Sem II) 3 lecture/laboratory hours.	3 hrs			
COMP 295 - Systems Development (<i>WR/S</i>) (Sem II) 3 lecture/laboratory hours. Writing Reading and Speaking Intensive Course	3 hrs			
Humanities Elective 3 hrs				
Total Hours: 14				
Total Hours: 60				
Notes:				