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Computer Science BS-TSAP TSAP

IU Indianapolis School of Science (PU)

Career Options | Financial Aid Options

Student's Catalog Year: Fall 2016–Summer 2022
Total Degree Map Credits: 60

Description: This is a two-year plan for degree completion; it is only for students who transfer to IUPUI from Ivy Tech Indianapolis with an Associate of Science in Computer Science on the Indiana Transfer Single Articulation Pathway (TSAP) plan.

Students completing the TSAP B.S. undergraduate degree in computer and information science will have acquired a fundamental understanding of computing, information processing, and information communication. The departments graduates serve in a variety of programming, software engineering, database administration, systems analysis, management, and research positions.

C **Critical Courses:** Courses that students should complete by specific points during their degree or certificate program.

M **Milestones:** Conditions or activities that students should complete by specific points during their degree or certificate program.

Completing a critical course or milestone by the associated term is considered crucial to on-time graduation.

Year One
(30 credits)

Fall Term	Minimum Grade	Credits
CSCI 34000 Discrete Computational Structures C **Critical Course** **Required Semester of Completion:** Year 1, Fall	C-	3
MATH 17100 Multidimensional Mathematics **Required Semester of Completion:** Year 1, Fall	C-	3
Baccalaureate Req Life & Physical Sciences Competency (Lecture) **Required Semester of Completion:** Year 1, Fall	C-	3
Baccalaureate Req Arts & Humanities or Social Sciences Competency		3

Spring Term	Minimum Grade	Credits
CSCI 40200 Architecture of Computers **Required Semester of Completion:** Year 1, Spring	C-	3
CSCI 400-Level Electives **Course Details:** Six (6) credits in this semester. Computer science majors must complete eleven (11) major elective courses. A minimum of six (6) CSCI electives must be at the 400-level or higher. **Required Semester of Completion:** Year 1, Spring	C-	3
CSCI Elective (or MATH 26200 for the Math Minor)	C-	3

Required Semester of Completion: Year 1, Fall

Baccalaureate Req Cultural Understanding Competency		3

Required Semester of Completion: Year 1, Fall

Total 15

Course Details: Max 3 courses from CSCI-N/CSCI 300-level elective list Max 2 courses from supporting elective list. Students pursuing a Mathematics Minor should complete MATH 26200 Linear Algebra and Differential Equations, which will apply to the CSCI elective requirement.
Required Semester of Completion: Year 1, Spring

Baccalaureate Req Life & Physical Sciences Competency (Lecture)	C-	3

Required Semester of Completion: Year 1, Spring

TCM 32000 Written Communication in Science and Industry	C	3

Required Semester of Completion: Year 1, Spring

Graduation Application! Contact your Academic Advisor to determine appropriate steps necessary to apply for graduation. M

Required Semester of Completion: Year 1, Spring

Total 15

Year Two
(30 credits)

Fall Term	Minimum Grade	Credits
CSCI 40300 Introduction to Operating Systems	C-	3

Required Semester of Completion: Year 2, Fall

CSCI 48400 Theory of Computation	C-	3

Required Semester of Completion: Year 2, Fall

CSCI 400-Level Electives	C-	3

Course Details: Six (6) credits in this semester. Computer science majors must complete eleven (11) major elective courses. A minimum of six (6) CSCI electives must be at the 400-level or higher.
Required Semester of Completion: Year 2, Fall

CSCI 400-Level Electives	C-	3

Spring Term	Minimum Grade	Credits
MATH 35100 Elementary Algebra	C-	3

Required Semester of Completion: Year 2, Spring

CSCI 400-Level Electives	C-	3

Course Details: Nine (9) credits in this semester. Computer science majors must complete eleven (11) major elective courses. A minimum of six (6) CSCI electives must be at the 400-level or higher.
Required Semester of Completion: Year 2, Spring

CSCI 400-Level Electives	C-	3

Course Details: Nine (9) credits in this semester. Computer science majors must complete eleven (11) major elective courses. A minimum of six (6) CSCI electives must be at the 400-level or higher.
Required Semester of Completion: Year 2, Spring

CSCI 400-Level Electives	C-	3

Course Details: Six (6) credits in this semester. Computer science majors must complete eleven (11) major elective courses. A minimum of six (6) CSCI electives must be at the 400-level or higher.
Required Semester of Completion: Year 2, Fall

Baccalaureate Req Analytical Reasoning (Statistics)	C-	3

Required Semester of Completion: Year 2, Fall

Total 15

Course Details: Nine (9) credits in this semester. Computer science majors must complete eleven (11) major elective courses. A minimum of six (6) CSCI electives must be at the 400-level or higher.
Required Semester of Completion: Year 2, Spring

CSCI 49500 Explorations in Applied Computing Capstone	C-	3

Required Semester of Completion: Year 2, Spring

Total 15

Degree Map Link: https://sisjee.iu.edu/sisigps-prd/web/igps/dm/public/maps/view?mapId=1084295a-9d71-4efe-ae08-47241a9be3ed Copy

Achieving minimum grades for individual courses may not result in meeting cumulative GPA requirements for admission to programs or for graduation. Verify requirements with your academic advisor or your Academic Advisement Report (AAR).

Completing 30 credit hours each calendar year is required for full state financial aid eligibility. Be sure to complete your FAFSA before March 10 each year. If you follow your map and find a course unavailable, you may be eligible to take that course for free in a future semester.

More information about the free course guarantee.