Computer Science and Physics Dual Major

Major Requirements

Degree Type: B.A. or B.S. Minimum Credits Required: 120

University Degree Requirements

For complete details on these and other university degree requirements, refer to the Degree and Graduation Requirements (http://catalog.ndsu.edu/academic-policies/undergraduate-policies/degree-and-graduation/) section in the University Catalog.

- 1. Minimum of 120 semester credits (some programs may exceed this minimum).
- 2. Complete the University General Education requirements.
- 3. Minimum institutional GPA of 2.00 based on work taken at NDSU.
- 4. Minimum of 30 credits in resident at NDSU.
- 5. Minimum of 36 upper level credits (courses numbered 300 or higher).
- 6. Students with transfer credit must meet the NDSU 30 credits in residence (#4). Of these 30 credits in residence, a minimum of 15 credits must be in courses numbered 300 or above, and 15 credits must be in the student's declared major curricula.

University General Education Requirements

A list of university approved general education courses along with the administrative policies governing the requirement and the categories is available here (http://catalog.ndsu.edu/academic-policies/undergraduate-policies/general-education/).

Code	Title		Credits
Category C: Communication			12
Category R: Quantitative Reasonin	g		3
Category S: Science and Technolog	gy		10
Category A: Humanities and Fine A	Arts		6
Category B: Social and Behavioral Sciences			6
Category W: Wellness			2
Category D: Cultural Diversity			
Category G: Global Perspectives			
Category L: Digital Literacy			
Total Credits			39

Major Requirements

A grade of 'C' or better is required for all CSCI, PHYS, and AST prefix courses.

Code	Title	Credits		
Computer Science Major Requirements				
CSCI 160	Computer Science I	4		
CSCI 161	Computer Science II	4		
CSCI 213	Modern Software Development	3		
CSCI 336	Theoretical Computer Science	3		
CSCI 366	Database Systems	3		
CSCI 372	Comparative Programming Languages	3		
CSCI 374	Computer Organization and Architecture	3		
CSCI 467	Algorithm Analysis	3		
CSCI 474	Operating Systems Concepts	3		
CSCI Electives	CSCI 313 and/or any 400-level CSCI course that is not already used.	6		
Physics Major Requirements:				
PHYS 171	Introductory Projects in Physics	1		
PHYS 251	University Physics I	5		
& 251L	and University Physics I Laboratory			

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Program Notes

• Except for courses offered only as pass/fail grading, no course may be taken Pass/Fail.