



NOTRE DAME
DE NAMUR UNIVERSITY

ESTABLISHED 1851

Computer & Information Science (B.S.C.I.S.) Transfer Pathway for Cañada College Software Engineering Track

Transferring made Simple. The Transfer Pathways program streamlines the transition from the Community College to STEM (Science, Technology, Engineering and Mathematics) programs at Notre Dame de Namur University (NDNU) by eliminating obstacles to completion and guiding prospective transfer students along their individual paths.

NDNU accepts transfer students at all levels, freshman through senior, for both spring and fall terms. Our counselors and advisors will work with you to determine an individualized academic plan and get you into the classes you need to graduate on time. Students seeking a 2 + 2 transfer agreement can use this pathway document as a guide. Please keep in mind that not every course needs to be completed prior to coming to NDNU. We will assist you to determine your individual needs.

STEM Articulation Pathway toward a B.S.C.I.S, Software Engineering Track

The following courses are recommended to streamline the path through prerequisite courses taken at Cañada College, and specific upper division courses that must be taken at NDNU for the CIS major. The pathway is a guide to students who enter NDNU during the 2014-15 year. If you will be starting at a later date, please remain in contact with the NDNU CIS department and your advisor, to be aware of any potential changes in the major requirements over time.

General Education Requirements

You should plan to complete at least 28 units from the online Articulation Agreement between Cañada College and NDNU, including both required Core Cultural Diversity courses. The total number of units needed to fulfill all Core Curriculum and institutional requirements will vary depending on how requirements for foreign language and US History are met. Please contact us to confirm your intended transfer pathway.

(Over for courses to be taken at NDNU)

Contact Information

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Prerequisites for Courses in the NDNU Major: Recommend taking at Cañada**Units**

CIS 118	Introduction to Computer Science	(4)
CIS 242	Computer Architecture & Assembly Language	(3)*
CIS 284	Introduction to Object Oriented Programming – Java	(3)
CIS 286	Introduction to Data Structures – Java	(3)
MATH 251	Analytical Geometry & Calculus I	(5)
MATH 252	Analytical Geometry & Calculus II	(5)

Courses Remaining at NDNU:**CIS Major Courses: 48 Units Total****Units**

MTH 2522	Probability & Statistics	(4)
MTH 2419	Discrete Mathematics	(4)
CIS 2233	Database Management Systems	(3)
CIS 2235	Computer Operating Systems	(4)
CIS 2243	Computer Network & Network Programming	(4)
CIS 2245	Software Engineering	(3)
CIS 2277	Web Programming. I: Client Side	(3)
CIS 2278	Web Programming II: Server Side	(3)
CIS 2341	Quality Assurance & Testing	(3)
CIS 2885	Senior Project	(3)

Select two from the following courses (8 units total)

CIS 1150	Computer Organization	(4)*
CIS 2211	Algorithms & Complexity	(4)
CIS 2221	Programming Languages & Compiler	(4)
MTH 2450	Linear Algebra	(4)

Select two from the following courses (6 units total)

CIS 2255	Computer Graphics	(3)
CIS 2261	Object-Oriented Design, Programming	(3)
CIS 2355	Mobile Device Programming	(3)
CIS 2886	Special Topics in Computer Science	(3)

Additional GE Courses:**(9 units minimum)**

Upper Division Writing	(3) units**
Upper Division Religion	(3) units
Community Engagement	(3) units**

Any remaining GE or institutional courses as needed to fulfill all NDNU requirements

**Students who transfer CIS 242 from Cañada College will receive content credit for CIS 1150 at NDNU.*

*** The Upper Division Writing requirement and Community Engagement requirement generally do not add units to a student's program. Rather, they are intended to be fulfilled by choosing courses from the approved list that also satisfy requirements in other areas of the student's program.*