



NOTRE DAME
DE NAMUR UNIVERSITY

ESTABLISHED 1851

Computer and Information Science (B.S.C.I.S.) Transfer Pathway for Skyline College

Software Engineering Track

Transferring made Simple. The Transfer Pathways program eliminates the obstacles with the transition from the Community College to the Bachelor of Science (BS) in STEM (Science, Technology, Engineering and Mathematics) programs at Notre Dame de Namur University (NDNU).

NDNU accepts transfer students for both spring and fall terms with any number of units. Our counselors and advisors will work with you to determine an individualized academic plan to map out 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 at Skyline College needs to be completed prior to coming to NDNU. We will assist you to determine your individual needs.

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 Skyline 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 2015-16 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 Skyline 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: (Recommended taking at Skyline College)

		Units
COMP 284	Programming Methods I: Java	(3) OR
COMP 250	Programming Methods I: C++	(3)
COMP 286	Programming Methods II: Java	(3) OR
COMP 252	Programming Methods II: C++	(3)
MATH 251	Calculus with Analytic Geometry I	(5)
MATH 252	Calculus with Analytic Geometry 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)*
Upper Division Religion	(3)
Community Engagement	(3)*
Cultural Diversity	(6) <i>if not completed at Skyline College</i>

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

** The Upper Division Writing requirement and the 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.*