



- Ottawa University (OU) will accept up to 80 hours of JCCC credit toward a bachelor's degree as outlined in the Transfer Advantage agreement.
- This degree qualifies for the Transfer Advantage program. This program reduces the cost per credit hour to \$350 for Associate degree graduates.
- In order to graduate from OU, a student must have 120 semester credits, 42 of which must be upper-division, and a minimum of 30 credits must be taken at OU.
- In order to graduate from OU, each student is required to complete at least 28 credits in the major, of which 12 credits must be upper-division courses from OU. Additionally, to graduate, students must complete eight credits in the Liberal Arts Core; six credits in each of the four breadth areas (see II below); and UNV 30001 Academic Success and Personal Significance.
- Credits taken as Activity and/or Skill building courses (i.e. typing, tennis, band, HVAC, etc.) will transfer as electives with a limit of four credit hours being accepted per activity.

Ottawa University Requirements	JCCC Substitutions
I. Liberal Arts Sequence	
LAS 30012 Writing and Critical Thinking in the Liberal Arts	No substitutions – must be completed at OU
LAS 45012 Global Issues in the Liberal Arts	
UNV 30001 Academic Success and Personal Significance	
II. Breadth Area Courses (6 credit hours in each area)	
Art/Expression (6 credit hours) Examples: Performance Art, Foreign Language, Composition/Creative Writing, Speech, Communication, Music or Dance	***
Social/Civic (6 credit hours) Examples: Anthropology, Psychology, Sociology, Political Science, Economics or History	***
Science/Description (6 credit hours) Examples: Accounting, Math, Statistics, Natural Science, or Health and Nutrition	***
Value/Meaning (6 credit hours) Examples: Literature, Theory of Art, Theory of Music, Ethics, Religion, Philosophy, or Critical Thinking	***

*** See [Ottawa General Education Requirements Transfer Advising Guide](#) for a list of JCCC courses that meet these requirements.

Updated 08/04/2021

III. Required Foundation Courses	
MAT 21044 Calculus I	MATH 241 Calculus I*
MAT 21144 Calculus II	MATH 242 Calculus II*
ITS 20163 Introduction to Databases	CIS 260 Database Management*
ITS 20263 Introduction to Networking	IT 141 Introduction to Networks
CST 20363 Introduction to Computer Science	CS 200 Concepts of Programming Algorithms Using C++* OR CS 201 Concepts of Programming Algorithms Using C#* OR 205 Concepts of Programming Algorithms Using Java*
CST 16163 Introduction to Computer Programming	CS 134 Programming Fundamentals
IV. Required Major Courses	
CST 30003 Microprocessors	
CST 30004 Cloud Computing Architecture	
CST 35550 Special Topics: Information Technology Systems	
CST 35566 Intermediate Programming Techniques	
CST 45566 Advanced Programming Techniques	
CST 48163 System Analysis and Design	
CST 49090 Senior Research Capstone Design	
CST 49100 Senior Capstone Project	
V. Optional Pathways	
Cybersecurity Pathway	
CST 30006 Cyber Security	
CST 40000 Information Forensics	
CST 45650 Data Protection	
CST 47003 Ethical Hacking and Intrusion Detection	
Game Design and Development Pathway	
ITS 35505 Production	
CST 37640 2D/3D Digital Modeling	
CST 46540 Game Development Engine	
CST 47670 Game Development: Programming & Practice	
Information Technology Systems Pathway	
ITS 30044 Advanced Database Systems	
ITS 33470 Routing and Switching	
ITS 35505 Production	
ITS 43000 Information Technology Project Management	

* JCCC course has a prerequisite or corequisite.

This transfer guide is applicable to Ottawa University Adult, Professional and Graduate programs only and is invalid if the requirements for this major and/or Bachelor's degree are revised.

It is the STUDENT'S RESPONSIBILITY to check for updates to all transfer information. This transfer guide is provided as a service and is updated as needed. Degree requirements at the four-year colleges are subject to change by those institutions. To ensure you have the most accurate up to date information about the program, it is imperative you meet with an advisor at the transfer institution.