

**Data Science and Technology, B.S.
2015-16 Catalog**

- Ottawa University (OU) will accept up to 80 hours of community college credit toward a degree. Any credit that **Kansas City Kansas Community College (KCKCC)** applies toward its associate degree is accepted at OU up to a maximum of 80 credits.
- This degree qualifies for the Transfer Advantage program. This program reduces the cost per credit hour to \$275 for Associate degree graduates.
- In order to graduate from OU, a student must have 124 semester credits, 44 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 11000 Seminar for 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	KCKCC 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 11000 Seminar for 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	
III. Required Foundation Courses	
ACC 20364 Accounting for Business Operations	BUSN 0102 Accounting II
ECO 20163 Macroeconomics	ECON 0201 Principles of Macroeconomics

ECO 20263 Microeconomics	ECON 0202 Principles of Microeconomics
MAT 20043 Discrete Mathematics OR MAT 10643 College Algebra OR MAT 20143 Business Math	No substitute MATH 0105 College Algebra BUSN-0110 Business Math
OAD 30763 Business Statistics	MATH 0115 Statistics
OAD 31664 Business Ethics	PHIL 0107 Business Ethics
IV. Required Major Courses	
DST 20000 Network Architecture	CRTE_0207 TCP/IP Networking for Server +
DST 20003 Network Security	CRTE 0221 Network Security for Server
DST 30000 Lean Six Sigma	No substitute
DST 30003 Data Mining	CIST 0210 Data Mining
DST 30006 Cyber Security	No substitute
DST 30009 Data Visualization	No substitute
DST 40000 Information Forensics	No substitute
DST 49000 Seminar in Applied Information Science	No substitute
ITS 16163 Introduction to Computer Programming	No substitute
ITS 20163 Introduction to Databases	CIST 0236 Database Management
ITS 20263 Introduction to Networking	CIST 0117 Local Area Networking
ITS 30044 Advanced Database Systems	No substitute
ITS 47003 Ethical Hacking and Intrusion Detection	No substitute
MAT 21044 Calculus I	MATH 0120 Calculus I

This transfer guide is applicable to Ottawa University Adult Professional and Online 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 program is provided as a service and is updated at least annually. Degree requirements at the four-year colleges are subject to change by those institutions.