

**Associate in Arts
Years 1 and 2 at
Metropolitan Community College**

**Bachelor of Science in Information
Science & Technology
Years 3 and 4 at MU-Science & Technology**

General Education Requirements		Credits
American Institutions (2 courses, one must be HIST)		
HIST 120	United States History to 1865	6
HIST 121	United States History since 1865	
POLS 135	Introduction to Political Science	
POLS 136	Introduction to American National Politics	
POLS 137	Introduction to State and Local Politics	
Communications		
ENGL 101	Composition and Reading I	3
ENGL 102	Composition and Reading II	3
SPDR 100	Fundamentals of Speech	3
Humanities (3 courses, 3 areas of study, 1 courses must be Lit. or Phil.)		
Art History or ART 108		3
Foreign Language 101 or higher or SIGN 101 or 102		3-5
HUMN		3
Literature		3
MSCM 112		3
MUSI 108, 116 or 160		3
PHIL		3
SPDR 103, 104, 106, 110, 112, 114, 128 or 133		3
HIST/HUMN 133 or 134		3
Mathematics		
MATH 175	Calculus for Business and Social Sciences	3
Natural Science (2 courses, 1 Biological and 1 Physical)		
BIOL (Must include laboratory)		9-10
CHEM, GEOG, GEOL, PHYS, or PHSC (Must include laboratory)		
Social Science		
*ECON 210	Macroeconomics	3
Choose one from the following:		
ANTH		3
GEOG (excluding 104, 110 and GIS Courses)		3
HIST		3
POLS		3
PSYC		3
SOCI		3
SOSC		3
Computer Science		
CSIS 271	Data Structures & Algorithm Analysis	3
Electives		
BSAD 102	Principles of Accounting II	3
BSAD 204	Business Management	3
CSIS 223	Object-Oriented Programming	3
ECON 211	Microeconomics	3
Total Credits Required		62

* Required

Student must complete a Writing Intensive course AND either a Human Diversity course or Learning Community as part of the General Education Requirements. In some cases, an additional 6 credit hours may be transferred, with your UMR Advisor's approval.

Group 1: General Education

The Metropolitan Community College's 42-hour General Education core will transfer to the University of Missouri-Rolla (UMR) and will satisfy the Business & Management Systems program's General Education core of 41 hours.

Group 2: UMR School of Management & Information Systems Core

The Business & Management Systems department is part of the School of Management & Information Systems at UMR. The School has a required core of courses that include Information Science & Technology, Business & Management Systems, and Economics. Up to 18 hours of credit for these core courses can be transferred to satisfy part of these requirements.

Major Requirements		Credits
BUS 230	Business Law	3
IST 141	Information Systems	3
IST 246	Introduction to ERP	3
STAT 211	Statistics I	3
Speech 181	Communication Theory	3
English 260	Practicum in Tech Writing	3
MIS 397	Capstone	3
Core Curriculum		
IST 223	Database Management	3
IST 231	Computing Internals and Operating Systems	3
IST 233	Networks and Communications	3
IST 241	E-Commerce	3
IST 243	Systems Analysis	3
IST 286	Web Development & Design	3
Emphasis Areas		
Human-Computer Interaction		
IST 385	Human-Computer Interaction and Two of the following courses:	9
IST 386	Human-Computer Interaction Prototype	
IST 387	Human-Computer Interaction Evaluation	
IST 354	Multimedia Development and Design	
or		
Enterprise Resource Planning (ERP)⁹		
IST 346	ERP Systems Design & Implementation and Two of the following courses:	9
IST 345	Use of Business Intelligence	
IST 347	Supply Chain Management	
IST 348	Strategic Enterprise Management Systems	
IST 349	ERP systems Administration	
or		
Tailored to Specific Interest		
Select three 300-level IST courses (except IST 336), agreed to with your advisor, that meet specific interests. (Note: CSc 317-Intellectual Property for Comp. Sci. and/or CSc 319-Management of Computing Services may be selected among the three courses.)		9
Free Electives		12
Total Credits Required		122

⁹Students with an ERP emphasis will be eligible for a UMR-SAP Certificate, authorized by the SAP Corporation.