BUSINESS ADMINISTRATION (BUA)

BUA 100 Selected Topics (1-6 Credits)
Management
Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.
Repeatable

BUA 180 International Course (1-12 Credits)
Management
International Course
Repeatable 91 times for 999.99 credits maximum

BUA 200 Selected Topics (1-6 Credits)
Management
Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.
Repeatable

BUA 201 Business Essentials I (3 Credits)
Management
Business fundamentals taught through the operation of a fictional company. Multiple professors teach how the principles of accounting, finance, management, entrepreneurship, marketing, supply chain, retail and law work together within the business.

BUA 202 Business Essentials II (3 Credits)
Management
Advanced business fundamentals taught through the operation of a fictional company. Multiple professors teach how accounting, finance, management, entrepreneurship, marketing, supply chain, retail and law work together for a deeper understanding of the business.
Prereq: BUA 201

BUA 270 Experience Credit (1-6 Credits)
Management
Participation in a discipline- or subject-related experience. Students must be evaluated by written or oral reports or an examination. Limited to those in good academic standing.
Repeatable

BUA 275 Infrastructure and Society (3 Credits)
Management
Cross-listed with CEE 275
Interdisciplinary view of urban infrastructure. Resilience, sustainability, economic and community impacts, finance, infrastructure development in the global economy, and smart cities.
Shared Competencies: Civic and Global Responsibility (https://coursecatalog.syracuse.edu/shared-competencies/civic-and-global-responsibility/); Communication Skills (https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/); Ethics and Integrity (https://coursecatalog.syracuse.edu/shared-competencies/ethics-and-integrity/)

BUA 280 International Course (1-12 Credits)
Management
Offered through SUAbroad by educational institution outside the United States. Student registers for the course at the foreign institution and is graded according to that institution's practice. SUAbroad works with the S.U. academic department to assign the appropriate course level, title, and grade for the student's transcript.
Repeatable

BUA 290 Independent Study (1-6 Credits)
Management
Exploration of a problem, or problems, in depth. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor(s) and the department.
Repeatable

BUA 300 Selected Topics in Business Administration (1-6 Credits)
Management
Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.
Repeatable

BUA 345 Business Analytics for Management Decisions (3 Credits)
Management
Introduction to business analytics and statistical techniques used by managers to make decisions. Topics include defining business problems, identifying data needs to solve defined problems, and using information technologies to collect, analyze, and communicate findings.
Prereq: MAS 261 or MAT 221
Shared Competencies: Information Literacy and Technological Agility (https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/)

BUA 361 Evolution of an Infrastructure Project (3 Credits)
Management
Cross-listed with CEE 361
Lifecycle stages of infrastructure projects. Needs assessment, feasibility analysis, project delivery, public budgeting, project financing, risk allocation, urban design, permitting and zoning, sustainability criteria, project detailed design, construction management and troubleshooting, asset management, and disaster-response infrastructure.
Prereq: BUA 275 or CEE 275

BUA 362 Infrastructure Design Capstone (3 Credits)
Management
Cross-listed with CEE 362
Review and integration of fundamental principles of infrastructure systems including smart city applications. Hands-on infrastructure design projects allow student teams to demonstrate competency in applying concepts and tools introduced in prerequisite courses.
Prereq: (BUA 361 and BUA 275) OR (CEE 361 and CEE 275)

BUA 380 International Course (1-12 Credits)
Management
Offered through SUAbroad by educational institution outside the United States. Student registers for the course at the foreign institution and is graded according to that institution's practice. SUAbroad works with the S.U. academic department to assign the appropriate course level, title, and grade for the student's transcript.
Repeatable

BUA 400 Selected Topics (1-6 Credits)
Management
Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.
Repeatable

BUA 451 Advanced Business Analytics (3 Credits)
Management
Introduces students to advance concepts in business analytics. Students will utilize the concepts they learn in class in a semester long individual project where they work with a large dataset (100k+ rows) to explore, prepare, form hypotheses that have managerial implications, statistically test them, and interpret results.
Prereq: BUA 345
Shared Competencies: Information Literacy and Technological Agility (https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/); Scientific Inquiry and Research Skills (https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/)

BUA 454 Business Network Models (3 Credits)
Management
This course will provide insights into how to understand networks both graphically and analytically; how to model network data and glean useful information from networks to further business goals. Students will be using R and Python along with additional data visualization platforms.
Prereq: BUA 455

BUA 455 Data Management for Business (3 Credits)
Management
This course will provide a fundamental knowledge of data management including how to visualize, store, and present data and how to use software scripts so that tasks can be done efficiently and reproduced with consistency. Students will be using statistics, data management, and coding software.
Prereq: MAS 261 or MAT 221 Co-req: BUA 345
Shared Competencies: Information Literacy and Technological Agility (https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/)

BUA 466 Data Mining for Business (3 Credits)
Management
Cross-listed with MAS 466
The course will examine how data mining methods and data-driven predictive models can help improve business decision-making. Data mining techniques covered: classification, clustering, association analysis, and optimization.
Prereq: BUA 345, BUA 455
Shared Competencies: Information Literacy and Technological Agility (https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/)

BUA 470 Experience Credit (1-6 Credits)
Management
Participation in a discipline- or subject-related experience. Students must be evaluated by written or oral reports or an examination. Limited to those in good academic standing.
Repeatable

BUA 474 Project-based Learning in Business (1-3 Credits)
Management
Double-numbered with BUA 674
Experiential learning opportunity that will apply knowledge and skills acquired in the classroom to external business projects, working directly with an external client. Students must apply and be accepted before registering.
Prereq: MAR 255 and FIN 256 and SCM 265

BUA 477 Visual Analytics for Business (3 Credits)
Management
Learn to connect, clean, transform, and analyze data for reporting and visualization. Using R, Tableau Desktop, and Power BI, explore visual design principles and best practices to build compelling data visualizations that tell a story through hands-on projects.
Advisory recommendation Prereq: BUA 345

BUA 480 International Course (1-12 Credits)
Management
Offered through SUAbroad by educational institution outside the United States. Student registers for the course at the foreign institution and is graded according to that institution's practice. SUAbroad works with the S.U. academic department to assign the appropriate course level, title, and grade for the student's transcript.
Repeatable

BUA 488 Predictive Learning for Business (3 Credits)
Management
Machine learning techniques used in managerial decision-making. Topics include quantile regression, artificial neural network models, convolutional neural network models for pattern recognition with current software, Naïve Bayes classifier for applications such as spam detection.
Prereq: BUA 345, BUA 455
Shared Competencies: Information Literacy and Technological Agility (https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/)

BUA 490 Independent Study (1-6 Credits)
Management
Exploration of a problem, or problems, in depth. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor(s) and the department.
Repeatable

BUA 499 Honors Capstone Project (1-3 Credits)
Management
Completion of an Honors Capstone Project under the supervision of a faculty member.
Repeatable 3 times for 3 credits maximum

BUA 555 World Business Systems: Trade and Investments (3 Credits)
Management
Cross-listed with INB 654
International business environment. Pattern and distribution of trade, exchange rates, International Monetary System, new international economic order, impact of the multinational firm on the world economy.

BUA 556 International Human Resource Management (3 Credits)
Management
Cross-listed with INB 656
Cross-national comparison of personnel- and industrial- relations practices and selection, training, and compensation theory and practice associated with managing expatriate employees.