

Applied Sciences

Faculty "tmptamucid381" missing (Department Head and Chair)

Location: AGET 230, 903-886-5781, Fax 903-886-5199

Applied Sciences Web Site (<http://www.tamuc.edu/academics/colleges/scienceEngineeringAgriculture/departments/appliedSciences/defaultold1.aspx>)

The Department of Applied Sciences offers a program for the completion from an Associate of Applied Science degree to a Bachelor of Applied Arts and Sciences (BAAS). The BAAS degree program prepares students for managerial careers in technical fields. This program offers a seamless transition from an associates of applied arts and sciences degree in technical fields earned from community colleges to a bachelor's degree. Up to 85 semester hours may be transferred into the program, and the remaining courses may be completed online.

Applied Arts and Sciences (BAAS) (<https://coursecatalog.tamuc.edu/undergrad/colleges-and-departments/college-of-science-and-engineering/applied-sciences/applied-arts-sciences-baas/>)

General Studies B.G.S (<https://coursecatalog.tamuc.edu/undergrad/colleges-and-departments/college-of-science-and-engineering/applied-sciences/general-studies-bgs/>)

BAAS 100 - CBE - Orientation

Hours: 0

BAAS 301 - Pathways, Purpose, Exploration, and Career

Hours: 3

Students will explore the changing future of work and their place in it. Planning for academic success and future career opportunities will be discussed. Students will also learn about personal leadership, reflecting on their own strengths and abilities, and will draw upon perceptions from others to construct their own understanding of leadership.

BAAS 303 - Interpersonal Relationships and Communication in Organizations

Hours: 3

Students will explore the skills needed to maneuver effectively in a diverse world of work. Awareness of self and others is required to maintain effective interactions and productive work groups. Practical applications will be considered to supply students with the needed information to develop intercultural competencies with an emphasis on professional writing and attitude.

BAAS 326 - Exploring Spreadsheets

Hours: 3

The purpose of this course is to prepare students to creatively use industry-standard software. More than an introduction to these tools, this course will delve deeper into the intermediate skills necessary for today's managers. Students will have the opportunity to earn the Entry Level and Advanced Microsoft Office badges in Excel. This course also prepares students for the Microsoft Office Specialist Certification exam in Excel 2019.

BAAS 345 - Leadership Techniques

Hours: 3

Provides a comprehensive and applied understanding of leadership and management functions to prepare individuals to effectively mentor and develop tomorrow's leaders while leading and managing today's organizations. Focuses on the critical knowledge and skills necessary to accomplish organizational goals and objectives.

BAAS 351 - Planning, Budgeting, and Decision Making

Hours: 3

This course covers key components of financial leadership by exposing students to financial skills needed for professional and personal success. Emphasis on financial decision-making, asset purchases, financing options, budgeting, analysis, and interpretation of financial data.

BAAS 397 - SPECIAL TOPICS

Hours: 3

Special Topics. Three semester hours. Organized class. May be repeated when topics vary.

BAAS 408 - Data Visualization

Hours: 3

This course will provide intermediate skills in data visualization using industry-standard business intelligence software. Students will develop visualizations from existing data and learn to use various charts, graphs, maps, dashboards, and stories. Corequisites: BAAS 326.

BAAS 445 - Ethical Decision Making

Hours: 3

The study of strategies and interpersonal communication systems that provide today's management with accurate and quality information on which to base decisions and to be effective in the day to day negotiations within the business environment.

BAAS 489 - Independent Studies

Hours: 1-3

Independent Studies - Three semester hours Individualized instruction/research at an advanced level in a specialized content area under the direction of a faculty member. Prerequisite Consent of head. Note May be repeated when the topic varies.

BAAS 497 - SPECIAL TOPICS

Hours: 3

Special Topics. Three semester hours. Organized class. May be repeated when topics vary.

BGS 100 - CBE - Orientation

Hours: 0

BGS 401 - Globalization

Hours: 3

This course provides coverage of a broad survey of global business issues; analyzes the environment in which international business operates; introduces multinational enterprises; global competition, international organizations, treaties and international laws, national trade policies, and the determinants of competitiveness of United States firms in international markets.

BGS 402 - Research and Writing

Hours: 3

This course teaches students how to perform academic research and use online library resources. Students analyze pertinent literature on their chosen topic related to an issue in their future careers. Clear and concise writing is emphasized while learning to use the APA formatting style. Students will participate in free writing discussions and write a brief literature review and research paper.

BGS 404 - Organizational Dynamics and Diversity

Hours: 3

This course offers an opportunity to discuss and apply principles, tools, and methods to successfully implement change and innovation within organizations. Focuses on utilizing diversity within the workplace to create an environment conducive to creativity and innovation while also realizing the external forces that lead to change.

BGS 405 - Capstone: Designing Your Future As An Innovative Leader

Hours: 3

This course is intended to be taken at the end of a student's college career and uses design thinking to address the 'wicked problem' of designing your life and career. The course employs a design thinking approach to help students from any major develop a constructive and effective approach to finding and designing their vocation after A&M Commerce. It also prepares students to articulate their marketable skills to future employers. Topics include the integration of work and worldviews, the realities of workplace engagement, and practices that support vocation formation throughout your life. The capstone assignment is creating an action plan following your A&M – Commerce graduation and drawing upon skills, knowledge, and key assignments.

BGS 480 - Internship

Hours: 0

An internship is a supervised work experience that provides students with an opportunity to apply classroom-based knowledge while gaining practical work experience in their chosen career field. Projects are identified by employers and then aligned with a curriculum, and typically completed within a 10-14 week period. The objective is for students to learn, apply, or integrate knowledge in a cooperative manner between the university and regional employers. The focus here is on applying theory from learning to practice.

BGS 481 - Foundations of Project Management

Hours: 3

This course is designed to teach students the essential concepts of project management from an applied perspective and will specifically focus on project management principles, the various phases and processes of a project, and project planning and implementation.

BGS 489 - Independent Study

Hours: 0-4

Individualized instruction May be repeated when the topic varies.

BGS 492 - Innovative Tools for Project Management

Hours: 3

This course builds on the foundation of basic project management and provides coverage of advanced topics in project scheduling, risk and quality management, and cost control, as well as providing comprehensive knowledge of scheduling and other Project Management tools. Prerequisites: BGS 481.

BGS 497 - Special Topics

Hours: 0-4

Organized class. May be repeated when topics vary.