Summary October 26, 2021 Curriculum Committee, November 9, 2021 Faculty Senate

1. College of Arts & Humanities – Department of Art

   a. Add GAME 1003: Introduction to Game Development; and
   b. Modify the Curriculum in Game and Interactive Media Design, as follows: (1) replace course options ART 2303/3303/4233 with ART 3073/3303/4233; (2) delete COMS 1403: Orientation to Computing, Information, and Technology, COMS 1411: Computer and Information Science Lab, and COMS 2104: Foundations of Computer Programming I; (3) add GAME 1003: Introduction to Game Development, one (1) hour ART or GAME Elective (1000-4000), COMS 1013: Programming I, and COMS 1011: Programming I Lab.

2. College of Business – Department of Accounting, Finance & Economics

   a. Add ACCT 2033: Accounting for Non-Business Majors, to the course descriptions;
   b. Delete ACCT 2000: Accounting Principles I Lab, from the course descriptions;
   c. Change the course number for ACCT 2003: Accounting Principles I, to ACCT 2004; delete the co-requisite ACCT 2000: Accounting Principles I Lab; and add the note: Lecture three hours, laboratory one and a half hours; Amendment below in RED.
   d. Modify the Curriculum in Accounting, as follows: (1) add footnote on MATH 2223: "Any 2000 level MATH or STAT course or higher may be substituted for MATH 2223: (excluding MATH 2033: Mathematical Concepts I, MATH 2043: Mathematical Concepts II, and STAT 2163: Introduction to Statistical Methods). Students considering graduate school are advised to take MATH 2914: Calculus I."; (2) delete: MATH 1113: College Algebra; (3) delete footnote 2 on MATH 1113; (4) change: COMM 2173: Business and Professional Speaking to COMM 2173: Business and Professional Speaking or COMM 2003: Public Speaking; (5) change ACCT 2003: Accounting Principles I to ACCT 2004: Accounting Principles I; (6) delete: ACCT 2000: Accounting Principles I Lab; (7) change BUAD 2053: Business Statistics to STAT 2163: Introduction to Statistical Methods or PSY /SOC 2053: Statistics for the Behavioral Science; (8) change: BUAD 3023: Business Communications to ENGL 2053: Technical Writing; (9) add BDA 3013: Spreadsheet Modeling; (10) add BDA 3003: Data Analytics Apps; and (11) reduce Electives from 15 to 11 hours;
   e. Add the Accelerated Bachelor of Science in Business Administration in Accounting to Master of Business Administration;
   f. Modify the Curriculum in Finance, as follows: (1) change ACCT 2003: Accounting Principles I to ACCT 2004: Accounting Principles I; (2) delete co-requisite ACCT 2000: Accounting Principles I Lab; (3) delete MATH 1113: College Algebra; (4) add

2 hours of General Elective credit; (5) change BUAD 3023: Business Communications to ENGL 2053: Technical Writing (see proposal from Management and Marketing Dept.); (6) change BUAD 2053: Business Statistics to STAT 2163: Introduction to Statistical Methods or PSY /SOC 2053: Statistics for the Behavioral Sciences (see proposal from Management and Marketing Dept.); (7) change COMM 2173: Business and Professional Speaking to COMM 2173: Business and Professional Speaking or COMM 2003: Public Speaking; (8) delete ACCT 3003: Intermediate Accounting I; (9) add College of Business Elective {3000-4000}; and (10) add ACCT 3003: Intermediate Accounting I and FIN 3033: Principles of Real Estate to list of Finance Major Elective Options (footnote 4 in Curriculum Matrix);

g. Add the Accelerated Bachelor of Science in Business Administration in Finance to Master of Business Administration;

h. Modify the Minor in Accounting, as follows: (1) change ACCT 2003: Accounting Principles I to ACCT 2004: Accounting Principles I; (2) delete: ACCT 2000: Accounting Principles I Lab; and (3) note: the minor will require 22 total hours instead of 21 hours; and

i. Modify the Minor in Economics, as follows: (1) add the heading: “The minor in Economics is not available to Finance majors. The minor in Economics is available to all other majors provided that the student takes at least nine hours of coursework to satisfy the Economics minor requirements that are not otherwise counted as requirements for the student's major."; (2) delete the subheading: “Required Courses (9 hours); (3) delete the subheading: “Elective Courses (choose 9 hours) and courses; (4) add the heading: “The minor in Economics requires 18 hours of courses”; and (5) require the following courses:

    ECON 2003: Principles of Economics I or ECON 2103: Honors Principles of Economics I;
    ECON 2013: Principles of Economics II;
    ECON 3003: Money and Banking;
    ECON 3073: Intermediate Microeconomic Theory;
    ECON 3093: Econometrics; and
    Any other 3-hour ECON or FIN course.

3. College of Business – Department of Management & Marketing
   ALL College of Business - Department of Management & Marketing
   PROPOSALS TABLED FOR NOVEMBER MEETING

a. Modify the Curriculum in Business Data Analytics, as follows: (1) delete COMM 2173: Business & Professional Speaking; (2) add COMM 2173: Business & Professional Speaking; or COMM 2003: Public Speaking; (3) change ACCT 2003: Accounting Principles I to ACCT 2004: Accounting Principles I; (6) delete: ACCT 2000: Accounting Principles I Lab; (4) reduce 3

hour Elective to 2 hour Elective; (5) change BUAD 2053: Business Statistics to STAT 2163: Introduction to Statistical Methods or PSY /SOC 2053: Statistics for the Behavioral Sciences; (5) change BUAD 3023: Business Communications to ENGL 2053: Technical Writing; (6) delete "Specified Elective3" 6 hours; (7) delete "BOA Elective2" 9 hours; (8) add "Approved Elective2" 15 hours; (9) delete footnote 2: BDA Electives: MGMT 3113: Business Process Improvement, BDA 4031-3: Internship, BDA 4073: Special Topics; (10) delete footnote 3: Three hours of Advanced Electives from the following: MKT 4013: Digital Metrics, FIN 4033: Financial Modeling, COMS 1333: Web Publishing, COMS 2104: Foundations of Computer Programming I {Prerequisite COMS 1403: Orientation to Computing, Information, and Technology/COMS 1411: Computer and Information Science Lab) AND three hours of Support Elective from the following: MKT 3063: Social Media Marketing, PHIL 3103: Logic, HIM 4063: Organization and Administration (Prerequisite HIM 3023: Introduction to Health Information Management) MGMT 4103: Supply Chain Management; and (11) add footnote 2: Approved Electives: MGMT 3113: Business Process Improvement, BDA 4031-3: Internship, BDA 4073: Special Topics, MKT 4013: Digital Metrics, FIN 4033: Financial Modeling, COMS 1333: Web Publishing, COMS 1013: Programming I, COMS 1011: Programming I Lab, MKT 3063: Social Media Marketing, PHIL 3103: Logic, HIM 4063: Organization and Administration, MGMT 4103: Supply Chain Management, STAT 2303: Statistical Methods or higher-level STAT course;

b. Add the Accelerated Bachelor of Science in Business Administration in Business Data Analytics to Master of Business Administration;
c. Modify the Curriculum in Management Business Management Track, as follows: : (1) delete COMM 2173: Business & Professional Speaking; (2) add COMM 2173: Business & Professional Speaking; or COMM 2003: Public Speaking; (3) change ACCT 2003: Accounting Principles I to ACCT 2004: Accounting Principles I; (6) delete: ACCT 2000: Accounting Principles I Lab; (4) change BUAD 2053: Business Statistics to STAT 2163: Introduction to Statistical Methods or PSY /SOC 2053: Statistics for the Behavioral Sciences; (5) change BUAD 3023: Business Communications to ENGL 2053: Technical Writing; (6) Delete MGMT 3023 Principles of Human Resource Management; (7) delete MGMT 4053: Small Business Management; (8) delete MGMT 4213: Strategy and Leadership; (9) add 5 hours of Electives; (10) delete MGTM 4103: Supply Chain Management; and (11) change 3 hours Management or College of Business Elective to 9 hours College of Business Elective 3000-4000;

d. Add the Accelerated Bachelor of Science in Business Administration in Management to Master of Business Administration;

e. Modify the Curriculum in Marketing Digital Marketing, as follows: (1) delete COMM 2173: Business & Professional Speaking; (2) add COMM 2173: Business & Professional Speaking; or COMM 2003: Public Speaking; (3) change ACCT 2003: Accounting Principles I to ACCT 2004: Accounting Principles I; (6) delete: ACCT 2000: Accounting Principles I Lab; (4) change BUAD 2053: Business Statistics to STAT 2163: Introduction to Statistical Methods or PSY /SOC 2053: Statistics for the Behavioral Sciences; (5) change BUAD 3023: Business Communications to ENGL 2053: Technical Writing; (6) reduce Electives from 9 hours to 8 hours; (7) delete 6 hours of College of Business Elective 3000-4000; (8) add BDA 3013: Business Spreadsheet Modeling; and (9) add 3 hours of MKT Elective (3000-4000);

f. Add the Accelerated Bachelor of Science in Business Administration in Marketing to Master of Business Administration;

g. Modify the Curriculum for the Associate of Business Administration, as follows: as follows: (1) delete ACCT 2003: Accounting Principles I, and add ACCT 2004: Accounting Principles I; (2) change BUAD 2053: Business Statistics, TO: BUAD 2053: Business Statistics, STAT 2163: Introduction to Statistical Methods, or PSY/SOC 2053: Statistics for the Behavioral Sciences; and (3) change the electives from 3 hours to 2 hours;

h. Modify the Minor in Business and Entrepreneurship, as follows: (1) delete ACCT 2003: Accounting Principles I, and (2) add ACCT 2004: Accounting Principles I, or ACCT 2033: Accounting for Non-Business Majors;

i. Change the title of the Minor in General Business, TO: Business Administration; and modify the Curriculum, as follows: (1) delete ACCT 2003: Accounting Principles I, and (2) add ACCT 2004: Accounting Principles I, or ACCT 2033: Accounting for Non-Business Majors.

4. College of Engineering & Applied Sciences – Department of Agriculture

a. Modify the Curriculum in Agriculture Business Agriculture Business Option, as follows: (1) delete ACCT 2003: Accounting Principles I, and ACCT 2000: Accounting Principles I Lab; and (2) add ACCT 2033: Accounting for Non-Business Majors;

b. Modify the Curriculum in Agriculture Business Animal Science Option, as follows: (1) delete ACCT 2003: Accounting Principles I, and ACCT 2000: Accounting Principles I Lab; and (2) add ACCT 2033: Accounting for Non-Business Majors;

c. Modify the Curriculum in Agriculture Business Horticulture Option, as follows: (1) delete ACCT 2003: Accounting Principles I, and ACCT 2000: Accounting Principles I Lab; and (2) add ACCT 2033: Accounting for Non-Business Majors; and

d. Modify the Curriculum in Agriculture Business Pre-Veterinary Medicine Option, as follows: (1) delete ACCT 2003: Accounting Principles I, and ACCT 2000: Accounting Principles I Lab; and (2) add ACCT 2033: Accounting for Non-Business Majors

5. College of Engineering & Applied Sciences – Department of Parks, Recreation, & Hospitality Administration

   a. Add RP 2023: Trail Planning and Management, to the course descriptions;
   b. Modify the Curriculum in Hospitality Administration Event Management Emphasis, as follows: (1) delete ACCT 2003: Accounting Principles I, and ACCT 2000: Accounting Principles I Lab; and (2) add ACCT 2033: Accounting for Non-Business Majors;
   c. Modify the Curriculum in Hospitality Administration Foodservice Management Emphasis, as follows: (1) delete ACCT 2003: Accounting Principles I, and ACCT 2000: Accounting Principles I Lab; and (2) add ACCT 2033: Accounting for Non-Business Majors; and
   d. Modify the Curriculum in Hospitality Administration Lodging Management Emphasis, as follows: (1) delete ACCT 2003: Accounting Principles I, and ACCT 2000: Accounting Principles I Lab; and (2) add ACCT 2033: Accounting for Non-Business Majors;

6. College of Natural & Health Sciences – Department of Mathematics

   a. Add STAT 4383: Machine Learning, to the course descriptions, and cross-list with STAT 5383;
   b. Delete STAT 2000: Statistical Packages Lab, from the course descriptions;
   c. Change the course number for STAT 2303: Statistical Methods, TO: STAT 2304; change the title to Programming Languages for Data Science; modify the Prerequisite FROM: Prerequisite: MATH 2914: Calculus I, or permission of instructor, TO: Prerequisite: any introductory statistics course; delete the Co-requisite: Co-requisite: STAT 2000: Statistical Packages Lab; and modify the course description FROM; The goal of this course is to introduce students to statistical methods for analyzing data. Some of the topics included are: describing data, basic probability, random variables, normal and binomial distributions, sampling distributions, confidence intervals, hypothesis testing, correlation and regression, contingency table, comparing two populations, ANOVA, TO: New Course Description: The goal of this course is to introduce the basic computer programming using Python and R to the undergraduate students, who are interested in working in the rapidly growing fields of data science and

data analytics. Python and R are two open-source programming languages with a large data scientist community. This course will introduce the basic programming skills and tools necessary to efficiently collect, process, visualize, and analyze the datasets. Hands-on project will be given to help students gain experience with the software packages. Amendment in RED - DELETE THE FOLLOWING (Python, R, GitHub, Google Collaboratory, Jupyter Notebook, and RStudio);

d. Cross-list STAT 4113: Categorical Data Analysis, with STAT 5113; and modify the Prerequisite FROM: Prerequisite: STAT 3113: Regression Analysis, TO: Prerequisite: STAT 3113: Regression Analysis, or permission of the instructor;
e. Cross-list STAT 4153: Experimental Design and Analysis, with STAT 5153;
f. Cross-list STAT 4393: Statistical Learning, with STAT 5393; and modify the Prerequisite FROM: Prerequisite: STAT 3113, TO: Prerequisite: STAT 3113: Regression Analysis, or permission of the instructor;
g. Modify the Curriculum in Applied Statistics Actuarial Science Option, as follows: (1) delete 1 hour of Elective; (2) delete STAT 2303: Statistical Methods; (3) add STAT 2163: Introduction to Statistical Methods; (4) delete MATH 2703: Discrete Mathematics; (5) add STAT 2304: Programming Languages for Data Science; (6) delete MATH 3243: Differential Equations; (7) add 2 hours of Quantitative Elective; and (8) change ACCT 2003: Accounting Principles I, to ACCT 2004;
h. Modify the Curriculum in Applied Statistics Data Science Option, as follows: (1) delete one (1) hour of Elective; (2) delete STAT 2303: Statistical Methods; (3) add STAT 2163: Introduction to Statistical Methods; (4) add STAT 2304: Programming Languages for Data Science; (5) delete Elective3; (6) delete MATH 3243: Differential Equations; (7) add STAT 4383: Machine Learning; and change Elective3 to MATH/STAT Elective3.

ARKANSAS TECH UNIVERSITY

REQUEST FOR COURSE ADDITION

Department Initiating Proposal	Date
Art Department	6/15/2021

Title	Signature	Date
Department Head		7/30/2021
Dean		7/30/21
Assessment		8.2.2021
Registrar		9/15/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Course Subject: (e.g., ACCT, ENGL)	Course Number: (e.g., 1003)	Effective Term:
GAME	**1003**	○ Spring ◉ **Summer I**

Official Catalog Title: (If official title exceeds 30 characters, indicate Banner Title below)

Intro to Game Development

Banner Title: (limited to 30 characters, including spaces, capitalize all letters — this will display on the transcript)

Will this course be cross-listed with another existing course? If so, list course subject and number.

○ Yes ◉ No

Will this course be cross-listed with a course currently not in the undergraduate or graduate catalog?

If so, list course subject and number. ○ Yes ◉ No

Is this course repeatable for additional earned hours? ○ Yes ◉ No How many total hours?

Grading: ◉ Standard Letter ○ P/F ○ Other

Mode of Instruction (check appropriate box):

○ 01 Lecture	○ 02 Lecture/Laboratory	○ 03 Laboratory only
○ 05 Practice Teaching	○ 06 Internship/Practicum	○ 07 Apprenticeship/Externship
○ 08 Independent Study	○ 09 Readings	○ 10 Special Topics
○ 12 Individual Lessons	○ 13 Applied Instruction	◉ 16 Studio Course
○ 17 Dissertation	○ 18 Activity Course	○ 19 Seminar ○ 98 Other

Does this course require a fee? ◉ Yes ○ No How Much? 36 Art

If selected other list fee type:

☐ Elective ☑ Major ☐ Minor

(If major or minor course, you must complete the Request for Program Change form to add course to program.)

If course is required by major/minor, how frequently will course be offered?

Minimum of once per academic year

Will this course require any special resources such as unusual maintenance costs, library resources, special software, distance learning equipment, etc.?

Unreal Engine 4, Adobe Photoshop, Adobe Audition

Will this course require a special classroom (computer lab, smart classroom, or laboratory)?

Computer Lab

Answer the following Assessment questions:

a. If this course is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. **Not Applicable**

b. If this course is required for the major or minor, complete the following.

   1. Provide the program level learning outcome(s) it addresses.
      Tools & Technology
   2. Provide tool or measure directly linked to each program learning outcome. (How will student learning in this outcome be measured?)
      Tools & Technology skill level will be evaluated based upon student success on final, practical examination.

c. What is the rationale for adding this course? What evidence demonstrates this need?
   1. COMS 1403, which provided a basic introduction to programming has been removed.
   2. New course would provide an introduction to programming that is tailored to Game Developers.

For the proposed course, attach a syllabus in Word format that includes: **(Items a. through d. should be entered as they should appear in the catalog)**

a. Course subject
b. Course number
c. Catalog course title
d. Catalog description
    1. Arkansas Course Transfer System (ACTS) course number, if applicable
    2. Cross-listing
    3. Offered (e.g., Fall only, Spring only. Do not enter if offer course fall and spring)
    4. Prerequisites
    5. Co-requisites
    6. Description
    7. Notes (e.g., information not in description such as course may be repeated for credit)
    8. Contact Hours if different than lecture (e.g., Lecture three hours, laboratory three hours)
    9. Fees (e.g., $36 art fee)
e. Section for Name of instructor, office hours, contact information (telephone, email)
f. Text required for course
g. Bibliography (supplemental reading list)
h. Justification/rationale for the course
i. Course objectives
j. Description of how course meets general education objectives (courses included in the general education component should show how the course meets one or more of the objectives contained in General Education Objectives listed in undergraduate catalog)
k. Assessment methods (include grading policy with specific equivalents for A, B, C)
l. Policy on absences, cheating, plagiarism, etc.
m. Course content (outline of material to be covered in course).

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

Syllabus

GAME 1003 - Intro to Game Development

ARKANSAS TECH UNIVERSITY

Instructor: TBA
Phone #: TBA
Email: TBA
Office Hours:
MWF - TBA
TR - TBA

Course Description:
A practical introduction to game art, design, and coding through the conception, creation, and evaluation of simple digital game(s). $36 fee, Fall Only.

Prerequisite(s): None
Textbook(s): No Text Required

Recommended Supplies:
1 TB USB 3.0 External Hard Drive, Sketchbook, Pencils and/or Markers

Course Justification:
Students will gain a foundational knowledge of the game development process by participating in the pre-production, production, and post-production of simplistic digital game(s). During the various stages of development students will develop a concept, produce art, design game mechanics and menus, and code functionality into their games. This course will use lectures, demonstrations, creative projects, group critiques, and practical examinations to educate and evaluate its students.

Course Objectives:

1. Develop a simplistic game design document (GAME.5)
    a. Develop a title and theme
    b. Establish core mechanics and game features
    c. Set a schedule with clear milestones
    d. Create pre-production sketches
2. Integrate art assets into a game (GAME.3)
    a. Import textures, custom fonts, and sounds
    b. Create materials
    c. Generate static and animated sprites
3. Code basic game functionality (GAME.3)
    a. Add main menu, Pause Menu, and HUD (heads up display) functionality.
    b. Add player avatar control functionality.
    c. Add win/loss condition functionality.
4. Finalize and evaluate game (GAME.1)
    a. Export/Package game
    b. Perform gameplay testing

Departmental Learning Goals :

1. Critical Analysis - Objectively participate in class critiques and constructive criticism.
2. Communication - Identify and effectively apply the use of visual arts concepts and vocabulary in verbal and written formats.
3. Tools and Technology - Demonstrate proficiency in the use of art tools, materials, and technology appropriate to the field.
4. Content - Demonstrate an understanding of contemporary art trends, major artist's works, and historical movements.
5. Professionalism - Demonstrate an understanding of professionalism required of a serious student of art and develop a substantive portfolio.
6. Program Effectiveness - Students are satisfied with the program's facilities, teachers and curriculum. Based on senior exit surveys for each art area in Graphic Design, Art Education and Fine Art.

Grading Scale:

A:	90-100	Exemplary performance in all aspects of course
B:	80-89	Very Good performance on most course aspects
C:	70-79	Good or average performance overall
D:	60-69	Unsatisfactory Performance
F:	0-59	Failure

Grade Breakdown:

3x	Projects:	50%
3x	Practical Exams:	25%
10x	Milestones:	10%
2x	Critiques:	10%
1x	Pre-Production	5%

Attendance Policy:

The Department of Art believes that attendance is a crucial component to student success and recommends:

1. That you be considerate of other students and your professor by arriving on time to class
2. Attend classes
3. Complete Assignments on Time

The Department Attendance Policy allows every student 3 (TR) or (MW) classes and 4 (MWF) classes before being penalized. After 6 (TR) or (MW) absences or 8 (MWF) classes the Department recommends that the student be dropped from the class with a failing grade (FE). Students with documented medical conditions, doctor's visits or emergencies must notify the instructor and provide that documentation upon their return to class. Failure to bring documentation results in the absence being counted. No more than three medical excuses will be accepted for a single course.

Students will not be counted absent for participating in ATU sanctioned events, official games, and field trips. ALL students missing for any reason are responsible for making up the work missed and turning their work in on time. NOTE that professors may count lateness as part of your attendance and that will be reflected in the course specific attendance policy below.

In this course, every absence beyond the allotted amount listed above will result in a 3% decrease in the student's final grade. Tardiness is unacceptable and unprofessional. If a student is tardy or leaves class before being dismissed class three times, it will count as a recorded absence.

Classroom Policies:
Professional behavior is required. Punctual attendance and intelligent participation are expected.

The use of cell phones, including talking and texting, or computer use is not allowed during class lecture, discussions, or critiques. Cell phones should be either turned off or silenced before class begins. Food and drinks are allowed as long as you are not being loud or leaving behind a mess. However, food is not allowed around computers or printing equipment! If your behavior is disruptive, you will be asked to leave the class and you will be counted as absent. Try to be respectful of the instructor and your fellow classmates.

Building Safety:
Norman Hall has extended hours that provide additional studio time for art students. During those hours a building and or lab monitor is present for additional safety. These monitors are here to support this extra studio and lab time, please be courteous and respectful of their job. Failure to follow the rules (including refusing to leave when the building is closing) may result in your lab privileges being revoked, your project receiving a failing grade and/or the Campus Police being notified to escort you out of the building.

Academic Integrity:
Plagiarism, cheating, stealing, lying, and interfering with other students' work are in violation of the standards of academic integrity and will be penalized according to ATU policy. Plagiarism is stealing the ideas, images or writings of another person and using them as one's own. If you are unaware of what constitutes a violation of academic integrity or need more information on Plagiarism, please review the ATU Student Handbook regarding academic policies.

Students who violate the Code of Academic Integrity (cheating, plagiarism, etc.) face penalties ranging from being required to redo the assignment (i.e., properly cite sources in cases of plagiarism) to failure of the assignment and/or class. The sanction is dependent on the severity of the violation as well as the number of times a student has violated the policy in the class. Egregious or multiple violations may result in additional university level sanctions. https://www.atu.edu/academic-integrity

Diversity and Inclusion:
Arkansas Tech University does not discriminate on the basis of color, sex, sexual orientation, gender identity, race, age, national origin, religion, veteran status, genetic information, or disability in any of our practices, policies, or procedures. If you have experienced any form of discrimination or harassment, including sexual misconduct (e.g. sexual assault, sexual harassment, and stalking, domestic or dating violence), we encourage you to report this to the institution. If you report such as incident of

misconduct to a faculty or staff member, they are required by law to notify Arkansas Tech University's Title IX Coordinator, and share the basic fact of your experience with them.

The Title IX Coordinator will then be available to assist you in understanding all of your options and in connecting you with all possible resources on and off campus. For more information please visit: http://www.atu.edu/titleix/index.php.

Disability Services:
Arkansas Tech University adheres to the requirements of the Americans with Disabilities Act in order to prevent barriers to academic accessibility. If you need an accommodation due to a disability, please contact the ATU Office of Disability Services, located in Doc Bryan Student Center, Suite 171, or visit http://www.atu.edu/disabilities/index.php

Privacy and Accessibility Policies:
The link below is a comprehensive list of all Privacy and Accessibility policies for software and services on Arkansas Tech's Blackboard server. https://www.atu.edu/etech/privacy_accessibility.php

Tentative Schedule:

Week 01:	Project 1: Milestone 1 (10 pts)
Week 02:	Project 1: Milestone 2 (10 pts)
Week 03:	Project 1: Milestone 3 (10 pts)
Week 04:	Project 1: Final Submission (150 pts)
Week 05:	Practical Exam 01 (75 pts)
Week 06:	Project 2: Milestone 1 (10 pts)
Week 07:	Project 2: Milestone 2 (10 pts)
Week 08:	Project 2: Milestone 3 (10 pts)
Week 09:	Project 2: Critiques (50 pts)
	Project 2: Final Submission (150 pts)
Week 10:	Practical Exam 02 (75 pts)
	Project 3: Pre-Production (50 pts)
Week 11:	Project 3: Milestone 1 (10 pts)
Week 12:	Project 3: Milestone 2 (10 pts)
Week 13:	Project 3: Milestone 3 (10 pts)
Week 14:	Project 3: Milestone 4 (10 pts)
Week 15:	Project 3: Critiques (50 pts)
	Project 3: Final Submission (200 pts)
	Practical Exam Final (100 pts)

This syllabus is a guideline for the semester. It may become apparent that the schedule or classroom policies need adjustment to reflect the current state of the course or address unexpected issues. You will be notified of any changes in schedule or classroom policy before they take effect!

Program Goal/Objective	Program Learning Outcomes	Assessment Methods and Criteria	Assessment Data collection	Results	Planned Improvements Based on Results
1. **Critical Analysis** -	Objectively participate in class critiques and respond with/ to constructive criticism.	A. Exams, research, presentation, assignments - must make a "C" or above to continue to Upper Division course work B. 90% of students completing the Senior Exhibit will demonstrate a high level of professional competency in presenting and responding to constructive criticism in response to the final assessment of their overall work by the faculty as well as students enrolled in senior project. C. 80% of students participating in the sophomore review will exhibit professional dispositions and attitudes when receiving constructive criticism of portfolios presented. D. 90% of the students will rate the program with a 4 or 5 using a Likert scale (5 being the highest) regarding the quality of instruction and challenging curriculum.	A. Sophomore Review – ART 3001 B. Senior Game Project II – GAME 4023, Senior Exhibition C. Sophomore Review – ART 3001 D. Senior Exit Survey	A. See Related documents on Weave: SophReview_FinalGrades_fall2018, Spring 2019 SophReview_face2face_finalgradeCharts.doc B. See related document on Weave: SeniorAssess_Game_2019.docx C. See Related Documents on WEAVE: Sophomore Review Finals Fall 2018_Sum_Charts.docx, Soph Review Face_to_Face_Fall 18 Sum_Charts.docx D. 100% of GAME students rated the program 4 or 5 on the quality of instruction and challenging curriculum	A. Improve assignment instructions to better communicate expectations B. Adjust survey to reflect major specific questions. C. Faculty are analyzing data and participating in a revision of the assessment tools. D. Adjust survey to reflect major specific questions.

2. **Communication** -	Identify and effectively apply the use of visual arts concepts and vocabulary in verbal and written formats.	A. 100% of the students will pass the vocabulary test and 80% effectively use the language of art in written and spoken formats. B. 80% of students will average an 90 or better on question # 2 of the sophomore review final presentation C. 80% of the students will effectively use visual art language	A. Sophomore Review – ART 3001 Test & Paper B. Sophomore Review – ART 3001 Final Presentation Evaluations C. Senior Exit Surveys, GAME 4023 Senior Exhibit	A. 100% of students passed the vocabulary test. All students scored B and Cs. 69% passed with 80% effectively use the language of art in written formats. B. 29% of students scored a 90% or better on question #2 of the sophomore review final presentation C. Not yet measured	A. Add Game and Interactive Media vocabulary to exam B. A comprehensive revision of assessment materials is needed. Revise sophomore review materials analytic rubrics recommended. C. Game Senior Exhibit/Portfolio will create a presentation & written assignments where students can demonstrate their ability to use professional art and design terminology
3. **Tools** & **Technology**	- Demonstrate proficiency in the use of art tools, materials, and Technology appropriate to the field.	A. 80% of the students enrolled in studio classes will effectively present evidence of skill and technique appropriate to their field B. 100% of students demonstrate knowledge of professional expertise in the skills, techniques appropriate to the field by scoring an average of 80% or higher in sophomore review C. 80% of students who complete the survey will note their knowledge of professional expertise in the skills, techniques appropriate to the field. D. 90% of students completing the	A. Professional Portfolio (GAME 4901) B. Sophomore Review – ART 3001 C. Senior Exit Surveys D. Senior Game Project II – GAME 4023	A. Not yet measured B. See Related Document: Sophomore Review Finals Fall 2018_Sum_Charts.docx, Soph Review Face-to_-Face_Fall 18 Sum_Charts.docx, SophReview_FinalGrades_fall2018 C. In progress – 1st cohort D. 90% of students scored an 80% or above on their final project and presentation in Senior Project II	A. Not yet measured B. Revise assessment tool, use course imbedded assessment C. In progress – 1st cohort D. None set

		Senior Project will exhibit professional competency and currency in the use of skills, techniques appropriate to the field.			
4. **Content**	- Demonstrate an understanding of contemporary art trends, major artist's works, and historical movements.	A. 80% of students will demonstrate an understanding of artists work through time as evidenced in successfully completed class work. B. 80% of students will demonstrate understanding of art through time through substantive written reports and gallery responses. C. 80% of the students enrolled in studio classes will effectively present evidence of skill and technique appropriate to their field	A. Art History 1 & 2 B. History of Digital Art – ART 3153 & Game Design Theory – GAME 4803, Art History 1 & 2 C. Professional Portfolio (GAME 4901)	A. Additional data required B. Additional data required C. In progress – 1st cohort	A. Data collection in Art History I and II B. An analytic rubric for writing will be developed C. In progress – 1st cohort
5. Professionalism -	Demonstrate an understanding of professionalism required of a serious student of art and develop a substantive portfolio.	A. 90% of students will successfully choose, professionally prepare works for a well-developed presentation. B. 90% student satisfaction in all program areas C. 90% of students enrolled in Senior Project will have developed a highly effective professional	A. Sophomore Review – ART 3001 Final Presentation B. Senior Exit Surveys C. Senior Game Project II – GAME 4023	A. In progress – Sophomore Review recently added to GAME BFA requirements B. Results scores in senior exit surveys showed students gave the program and department reviews of a 4 or 5 using a Likert scale with 5 being the highest quality on all aspects of student satisfaction regarding the professional skills learned in the program.	A. In progress – Sophomore Review recently added to GAME BFA requirements B. Adjust survey to reflect major specific questions. C. In progress – 1st cohort

		portfolio of exhibit ready work appropriate to the field of specialization.		C. In progress – 1st cohort	
6. Program Effectiveness	Students are satisfied with the programs facilities, teachers and curriculum.	A. 95% student satisfaction in all program areas	A. Senior Exit Survey	C. Scores in senior exit surveys showed 100% GAME students gave the program and department reviews of a 4 or 5 using a Likert scale with 5 being the highest quality on all aspects of student satisfaction.A	A. see related document: Sr. Exit Question Chart Game Spg2019.dox and Sr ExitComments_Game Spg2019 see related document: senior exit survey 2018 and 2019, 2018 seniors reported they needed weekend hours for the building, more upper division Game Electives

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Art Department	6/15/2021

Title	Signature	Date
Department Head		6/30/2021
Dean		6/30/2021
Assessment		8.17.2021
Registrar		
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
BFA Game & Interactive Media Design

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

Course option changes...

1. Replace course options ART 2303/3303/4233 with ART 3073/3303/4233
   Justification: ART 3073: Intro to Sculpture teaches students to produce art in a 3d space, making it a good option for game majors making games in a 3D virtual space. Additionally, having all the options in this grouping be 3xxx level reduces the risk of students falling short of their Upper Division requirements on degree audits.

Course requirement removal...

2. Remove COMS 1403: Orientation to Computing, Information, and Technology
   Justification: COMS 1403 has been discontinued by COMS department

3. Remove COMS 1411: Computer and Information Science Lab
   Justification: COMS 1411 has been discontinued by COMS department

4. Remove COMS 2104: Foundations of Computer Programming I
   Justification: COMS 2104 has been split and re-numbered by COMS department

Course additions...

5. GAME 1003 – Intro to Game Development
   Justification: COMS 1403 is being discontinued. This new 3 hour course will replace COMS 1403.

6. Add 1 HR Elective (1000-4000) ART or Game
   Justification: COMS 1411 is being discontinued. This new 1 hour elective will replace COMS 1411

7. Add COMS 1013: Programming 1
   Justification: COMS 2104 has been split & re-numbered. This 3 hour course is a replacement

8. Add COMS 1011: Programming 1 Lab
   Justification: COMS 2104 has been split & re-numbered. This 1 hour course is a replacement

What impact will the change have on staffing, on other programs and space allocation?
Most of the proposed changes are cosmetic in nature and will have no effect on staffing, other programs, or space allocation. The addition of GAME 1003: Intro to Game Development will add an additional 3 hour course that needs to be offered at least once a year. As a result, Game & Interactive Media Design program will need to continue to maintain at least 2 fulltime faculty positions in order to offer the minimum number of courses each academic year.

Answer the following Assessment questions:

a. How does the program change align with the university mission?

   The proposed changes will contribute to student access and success by giving students a better roadmap to success in the form of a refined degree map, a foundation course that better aligns to program outcomes, and through the removal of unnecessary prerequisites that create barriers for student progression.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

Not Applicable

c. What is the rationale for this program change?
   1. How will the program change impact learning for students enrolled in this program?

      The proposed changes will offer students greater flexibility in their schedules, reduce barriers to graduation, and deliver instruction that better aligns to the goals of the student as well as program outcomes.

   2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

      Feedback provided on course evaluations and exit surveys provide support for the proposed changes. Additionally, the quantity of course overrides, substitutions, and complex degree audits indicates challenges that we believe the restructuring of the Game and Interactive Media Design degree map and modification of prerequisites should address.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

The addition of a foundation course focused in Game Design and Development can be seen in other programs in Arkansas. The University of Arkansas Community College in Batesville offers an "Introduction to Game Design" course which serves as the introduction to their Game Design program. The University of Arkansas and Tesseract introduce their student's to game development with a course titled "Game Design 1".

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog

Curriculum in_____Game and Interactive Media Design_____

(enter title for program changing

Freshman Fall Semester		Freshman Spring Semester	
Add/Change:		Add/Change:	
GAME 1003 – Intro to Game Development	3	COMS 1013: Programming 1	3
3 HR Elective (1000-4000 level)	3	COMS 1011: Programming 1 Lab	1
Delete:		Delete:	
SCIENCE w/ LAB	4	COMS 1403 – Orientation to Computing	3
		COMS 1411 – Computer & Information Science	1
		Lab	
Total Hours:	16	Total Hours:	16
Sophomore Fall Semester		Sophomore Spring Semester	
Add/Change:		Add/Change:	
ART 3001 - Sophomore Review	1	GAME 3013 – Game Development 1	3
SCIENCE w/ LAB	4	ENGL 2043 - Creative Writing OR	3
General Elective (3000-4000 level)	2	COMM 3163 - Writing for Performance	
Delete:		Delete:	
		ART 3253 – Digital Illustration	3
COMS 2104 – Foundations of Programming 1	4	SCIENCE w/ LAB	4
ENGL 2043 - Creative Writing OR		ART 3001 - Sophomore Review	1
COMM 3163 - Writing for Performance	3		
Total Hours:	16	Total Hours:	15

Junior Fall Semester		Junior Spring Semester	
Add/Change:			
SCIENCE w/ LAB	4	Add/Change:	
GAME 3023 – Game Development 2	3	ART 3253 – Digital Illustration	3
		ART 3153 – History of Digital Art	3
Delete:			
ART 3153 – History of Digital Art	3	Delete:	
GAME 3013	3	GAME 3023 – Game Development 2	3
		2 HR General Elective (3000-4000 level)	2
Total Hours:	16	Total Hours	15
Senior Fall Semester		Senior Spring Semester	
		Add/Change:	
Add/Change:		ART or GAME Elective (3000-4000 level)	3
ART or GAME Elective (1000-4000 level)	3	ART or GAME Elective (1000-4000 level)	1
ART 2303 to ART 3073		Delete:	
Delete: ART or GAME Elective (3000-4000 level)	3	General Elective (1000-4000 level)	3
Total Hours:	15	Total Hours:	11
Total Program Hours_____120_____			

ARKANSAS TECH UNIVERSITY

REQUEST FOR COURSE ADDITION

Department Initiating Proposal	Date
Accounting, Finance and Economics Department	04/16/21

Title	Signature	Date
Department Head	Tracy Cole	4-19-21
Dean	Kirk Russell Jones	4/23/21
Assessment	Christi Austin	7.19.21
Registrar	Tammy Weaver	7/27/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Course Subject: (e.g., ACCT, ENGL)	Course Number: (e.g., 1003)	Effective Term:
ACCT	**2033**	○ Spring ◉ **Summer I**

Official Catalog Title: (If official title exceeds 30 characters, indicate Banner Title below)

Accounting for Non-Business Majors

Banner Title: (limited to 30 characters, including spaces, capitalize all letters — this will display on the transcript)

ACCOUNTING FOR NON-BUSINESS MAJORS

Will this course be cross-listed with another existing course? If so, list course subject and number.

○ Yes ◉ No

Will this course be cross-listed with a course currently not in the undergraduate or graduate catalog?

If so, list course subject and number. ○ Yes ◉ No

Is this course repeatable for additional earned hours? ○ Yes ◉ N How many total hours?

Grading: ◉ Standard Letter ○ P/F ○ Other

Mode of Instruction (check appropriate box):

◉ 01 Lecture	○ 02 Lecture/Laboratory	○ 03 Laboratory only
○ 05 Practice Teaching	○ 06 Internship/Practicum	○ 07 Apprenticeship/Externship
○ 08 Independent Study	○ 09 Readings	○ 10 Special Topics
○ 12 Individual Lessons	○ 13 Applied Instruction	○ 16 Studio Course
○ 17 Dissertation Research	○ 18 Activity Course	○ 19 Seminar ○ 98 Other

Does this course require a fee? ○ Yes ◉ No How Much? Select Fee Type

If selected other list fee type:

☑ Elective ☐ Major ☐ Minor

(If major or minor course, you must complete the Request for Program Change form to add course to program.)

If course is required by major/minor, how frequently will course be offered?

Will this course require any special resources such as unusual maintenance costs, library resources, special software, distance learning equipment, etc.?

No

Will this course require a special classroom (computer lab, smart classroom, or laboratory)?

No

Answer the following Assessment questions:

a. If this course is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. Not applicable
b. If this course is required for the major or minor, complete the following.
    1. Provide the program level learning outcome(s) it addresses.
    2. Provide tool or measure directly linked to each program learning outcome. (How will student learning in this outcome be measured?)
c. What is the rationale for adding this course? What evidence demonstrates this need?

We are changing the three credit hour ACCT 2003 with a 0-credit lab (ACCT 2000) into a four credit hour course (ACCT 2004) to ensure students receive credit for the lab and so we can charge tuition for the lab. We are adding this course for programs outside of the CoB that do not have room in their program for the revised 4 credit hour course (ACCT 2004).

For the proposed course, attach a syllabus in Word format that includes: **(Items a. through d. should be entered as they should appear in the catalog)**

a. Course subject
b. Course number
c. Catalog course title
d. Catalog description
    1. Arkansas Course Transfer System (ACTS) course number, if applicable
    2. Cross-listing
    3. Offered (e.g., Fall only, Spring only. Do not enter if offer course fall and spring)
    4. Prerequisites
    5. Co-requisites
    6. Description
    7. Notes (e.g., information not in description such as course may be repeated for credit)
    8. Contact Hours if different than lecture (e.g., Lecture three hours, laboratory three hours)
    9. Fees (e.g., $36 art fee)
e. Section for Name of instructor, office hours, contact information (telephone, email)
f. Text required for course
g. Bibliography (supplemental reading list)
h. Justification/rationale for the course
i. Course objectives
j. Description of how course meets general education objectives (courses included in the general education component should show how the course meets one or more of the objectives contained in General Education Objectives listed in undergraduate catalog)
k. Assessment methods (include grading policy with specific equivalents for A, B, C)
l. Policy on absences, cheating, plagiarism, etc.
m. Course content (outline of material to be covered in course).

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

ACCT 2033
Accounting for Non-Business Majors
Spring 2022

Instructor/Class Information:

Instructor:
Phone: E-mail:
Office:
Office hours:
Blackboard: http://blackboard.atu.edu

Prerequisite: Sophomore standing; "C" or better in MATH 1113 (or Math 1203, 1914, 2223, 2242, 2914, C or better) and BUAD 2003 or COMS 2003

Textbook and Instructional Materials: Survey of Accounting 9E. Warren, Farmer, 2021.

Course Description:

This course is designed to provide an overview of accounting concepts for non-business majors with no accounting background. Students gain the knowledge and skills necessary for interpreting reported accounting data. Topics include fundamental financial and managerial accounting concepts, accrual accounting, internal control over cash, financial statement analysis and the budgeting process.

Course Objectives and Course Content:

Upon completion of this course, the student should be able to:

1.) Describe the role of accounting in business.
2.) Describe the basic concepts of financial and managerial accounting.
3.) Describe how to account for and classify inventories, fixed assets, liabilities, and stockholders' equity.
4.) Understand the internal control system for cash.
5.) Complete basic analysis of financial statements.
6.) Understand the budgeting process.

Examinations and Evaluation:

EXAMS: 750 points total (75% of course grade)

There will be four regular exams and a final. The tentative dates for these exams are on the schedule provided. All exams must be taken. **Make-up exams will NOT be given without a valid excuse and ADVANCE arrangements.** (Advance arrangements mean prior to the examination period.) Make-up exams may be different and will be subject to a grade penalty at the instructor's discretion. If you are

late for an exam, you will not be given extra time. It is to your advantage to take all exams at the scheduled times. Only in the case of a well-documented true emergency should an exam be missed. Exams missed without prior approval or without adequate documentation of the reason for missing the exam will result in a recorded grade of zero for the missed exam. After the graded exams are reviewed in class, I will collect them and keep them. You may come to my office in the accounting department and review them. Failure to return an exam will be regarded as an attempt to steal a copy of the exam. Please keep a record of your grades as they are earned so that you will know your grade in the class at all times. You may not use your cell phone as a calculator, nor may you share a calculator to complete the exams. If you have a phone out during an exam, it will be considered cheating. You cannot leave the room and return to work on your exam. No translators or other electronic devices may be used.

HOMEWORK/QUIZZES/CLASS WORK/ASSIGNMENTS: 250 points total (25% of course grade)

Each assignment will be graded on completeness and accuracy. Unreadable assignments and assignments with no name will not be graded. Copying the homework solutions from a solutions manual or from another student will not help you learn the material for the exam, and it is cheating. An accounting help lab is available in Rothwell 316 (optional). Hours will be posted on Blackboard. There is also free tutoring available in Doc Bryan.

Late homework will not be accepted. No exceptions! You may turn in homework early.

QUIZZES/CLASS WORK: Quizzes may be given on readings, homework assignments, and /or class lectures. A combination of in class, on-line, and take–home quizzes may be given. No make-up quizzes will be given. No exceptions!

GRADING:
In total, there will be 1000 points possible, plus any points earned for other assignments that could be given.

	Estimated Points
Exams	750 points
Chapter Homework	125 points
Quizzes	125 points
Total	1000 points

Letter grades will be based on the following:

A = 90% and above
B = 80% to 89%
C = 70% to 79%
D = 60% to 69%
F = Below 60%

Course Policies

ATTENDANCE/CLASS PARTICIPATION

Attendance in this class is ***extremely*** important as discussion and presentation of the problem solutions is the focal point of the course. Attendance will be taken daily at the beginning of each class period; thus, absences should be limited to only very rare situations. Please notify me ***before*** class if you expect to be absent. Tardy students are responsible for checking with the instructor after class ***on that day*** to assure their presence is recorded. It is your instructor's prerogative to assign an absence if you are excessively late for class or leave early. I also reserve the right to drop a student for lack of attendance and/or a disrespectful attitude. You are responsible for all material, assignments, due dates, and any changes thereto, regardless of attendance. **After THREE absences (excused or unexcused), I will deduct five points from your grade for each additional unexcused absence.** After five absences (excused or unexcused), a student may be dropped from the course. If a situation develops that will keep a student from meeting the above attendance requirements, he/she should discuss the situation with me immediately.

Class participation includes working problems in class, answering questions, paying attention, asking relevant questions, etc. I expect the assigned material to be read and all problems to be prepared **in advance**. Each of you should be prepared for in-class presentation of the proposed solution to the problems. I will lecture on each chapter for the purpose of emphasizing the main points and to add to or to clarify the material when necessary. Free discussion is encouraged and **THERE ARE NO STUPID QUESTIONS!**

Cell Phones and Laptops/Tablets: Regarding cell phones in class, the College of Business policy is that cell phones are to be turned off and put away during class. If you choose to use a laptop or tablet during class, you must sit in the front row of class. Failure to comply with any of these guidelines will result in being dismissed from the classroom (an unexcused absence). A second offense will result in being dismissed from the classroom as well as notifying the Department Head. A third offense will result in being dropped from the class.

Email Communication: Appropriate professional communication is a critical skill set to develop. As students in this class, all email correspondence regarding this class must be sent from your university email address. Each email must contain an appropriate, descriptive subject line – do not leave it blank – do not send a new email dealing with a new topic using an old email "string". If you want me to respond to your email, use correct grammar, capitalization, and punctuation. Do not use "texting" language.

The Instructor will make every effort to respond to student's inquiries/emails within 48 hours during weekdays. If a student emails the instructor on a Friday, Saturday, Sunday, or holiday, the instructor will generally respond on the Monday after the weekend or the next regular class day after a holiday.

DISHONESTY: Academic dishonesty will not be tolerated and will result in a grade of zero on the assignment or test involved. Dismissal from the course and/or the institution can occur in severe cases. School policy will be followed. You are responsible for knowing and obeying the school policy.

Academic dishonesty described as written in the Arkansas Tech University handbook:

A. Definitions

Academic Dishonesty. Academic dishonesty refers to the various categories of cheating and plagiarism in the classroom.

1. Cheating on an examination, quiz, or homework assignment involves any of several categories of dishonest activity. Examples of this are: a.) copying from the examination or quiz of another student, b.) bringing into the classroom notes, messages, or crib sheets in any format which gives the student extra help on the exam or quiz, and which were not approved by the instructor of the class c.) obtaining advance copies of exams or quizzes by any means; d.) hiring a substitute to take an exam or bribing any other individual to obtain exam or quiz questions; e.) buying term papers from the Internet or any other source, and f.) using the same paper to fulfill requirements in several classes without the consent of the professors teaching those classes.

2. Plagiarism is stealing the ideas or writing of another person and using them as one's own. This includes not only passages, but also sentences and phrases that are incorporated in the student's written work without acknowledgement of the true author. Any paper written by cutting and pasting from the Internet or any other source is plagiarized. Slight modifications in wording do not change the fact that the sentence or phrase is plagiarized Acknowledgment of the source of ideas must be made through a recognized footnoting or citation format. Plagiarism includes recasting the phrase or passage in the student's own words of another's ideas that are considered common knowledge. Acknowledgement of source must be made in this case as well.

CHANGES TO THE SYLLABUS: Every effort has been made to make this syllabus and homework schedule as complete as possible. However, there may be occasions when changes are required. The instructor reserves the right to make changes to this syllabus during the semester. If a syllabus changes occurs, you will be notified in the following ways: (1) by email, and (2) Bb announcement posting.

SPECIAL NEEDS: Arkansas Tech University adheres to the requirements of the Americans with Disabilities Act in order to prevent barriers to academic accessibility. If you need an accommodation due to a disability, please contact the ATU Office of Disability Services, located in Doc Bryan Student Center, Suite 171, 479-968-0302, or visit http://www.atu.edu/disabilities/index.php.

Arkansas Tech University does not discriminate on the basis of color, sex, sexual orientation, gender identity, race, age, national origin, religion, veteran status, genetic information, or disability in any of our practices, policies, or procedures. If you have experienced any form of discrimination or harassment, including sexual misconduct (e.g. sexual assault, sexual harassment, stalking, domestic or dating violence), we encourage you to report this to the institution. If you report such an incident of misconduct to a faculty or staff member, they are required by law to notify Arkansas Tech University's Title IX Coordinator and share the basic fact of your experience. The Title IX Coordinator will then be available to assist you in understanding all of your options and in connecting you with all possible resources on and off campus. For more information please visit: http://www.atu.edu/titleix/index.php.

STUDENT NEEDS STATEMENT: Any student who faces challenges securing his or her food or housing and believes this may affect his or her performance in the course is urged to notify the instructor, if he or she is comfortable in doing so. Community resources are available for students and can be found at the following webpage: https://www.atu.edu/localresources/

If a student finds they need more support, they are encouraged to contact the Office of the Vice President for Student Services (479-968-0238).

ACCT 2033 Accounting for Non-Business Majors Tentative Schedule	
Week 1	Chapter 1: Role of Accounting in Business
Week 2	Chapter 2: Basic Accounting Systems: Cash Basis
Week 3	Chapter 3: Basic Accounting Systems: Accrual Basis
Week 4	Chapter 4: Accounting for Retail Operations
Week 5	Chapter 5: Internal Control and Cash
Week 6	Chapter 6: Receivables and Inventories
Week 7	Chapter 7: Fixed Assets, Natural Resources, and Intangible Assets
Week 8	Chapter 8: Liabilities and Stockholders' Equity
Week 9	Chapter 9: Metric Analysis of Financial Statements
Week 10	Chapter 10: Accounting Systems for Manufacturing Operations
Week 11	Chapter 11: Cost-Volume-Profit Analysis
Week 12	Chapter 12: Differential Analysis and Product Pricing
Week 13	Chapter 13: Budgeting and Standard Costs
Week 14	Chapter 14: Decentralized Operations
Week 15	Chapter 15: Capital Investment Analysis

ARKANSAS TECH UNIVERSITY

REQUEST FOR COURSE DELETION

Department Initiating Proposal	Date
Accounting, Finance and Economics	9-22-20

Title	Signature	Date
Department Head **Tracy Cole**	Tracy Cole	4-5-21
Dean **Russ Jones**	Kirk Russell Jones	4/23/21
Assessment **Christine Austin**	Christi Austin	7.19.21
Registrar **Tammy Weaver**	Tammy Weaver	7/27/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs **Barbara Johnson**		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Course Subject: (e.g., ACCT, ENGL)	Course Number: (e.g., 1003)
ACCT	**2000**

Official Catalog Title:

Accounting Principles I Lab

Is this course cross-listed with another existing course? If so, list course subject and number.

○ Yes ◉ No

Will the cross-listed course be deleted? ○ Yes ◉ No

(NOTE: If major or minor course, you must complete the Request for Program Change form to delete course from program.)

Answer the following Assessment questions:

a. If this course is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

NA

b. If this course was required for the major or minor, complete the following.

1. How will program level learning outcome(s) previously addressed by this course now be addressed?

ACCT 2003 and ACCT 2000 will be replaced by ACCT 2004. The material previously covered in ACCT 2000 will now be covered in ACCT 2004.

c. What is the rationale for deleting this course? What evidence supports this action?

Students will no longer need ACCT 2000 because ACCT 2004 will include this material. This change will enable students to receive academic credit for this material, as ACCT 2000 is a non-credit course.

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

NOTE: This deletion will be effective at the end of the spring term of the current catalog year.

Arkansas Tech University

DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department ☑ supports ☐ does not support the change.
Management and Marketing	
Comments: Change ACCT 2003 Principles of Accounting I to ACCT 2004 and delete corequisite ACCT 2000. ADD BDA 3003 and BDA 3013 to accounting program.	

Department Head Signature: Kevin Mason

Date: 3/4/2021

Arkansas Tech University

DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Mathematics	This department ☒ supports ☐ does not support the change.
Comments: Change ACCT 2003 Accounting Principles I to ACCT 2004 and delete corequisite ACCT 2000.	

Department Head Signature: Jaime L. Myers

Date: 10/13/20

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Curriculum and Instruction	This department ☒ supports ☐ does not support the change.
Comments: This is an acceptable change.	

Department Head Signature: _____

Date: 10/20/2020

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Agriculture	This department ☐ supports ☑ does not support the change.

Comments:
The faculty in the Department of Agriculture highly value and appreciate the good work of our colleagues in the College of Business. However, we cannot support the addition of a required lab for ACCT 2003 (Accounting Principles I) for the following reasons:

- We recognize that our students benefit from a foundation in Accounting as a component of their preparation for careers in the Agribusiness industry, and the College of Business has the faculty with the requisite preparation and experience to best deliver the course. Deleting the course from all six Agriculture Business options would not be ideal.
- The addition of a required lab would make this the only course of its kind in the state (that requires 4-credit hours for the initial accounting course). However, it is our understanding that the 3-hour courses from all other institutions (including 2-year community college programs) will be substituted without problem. Our concern is that the curriculum change is not a necessity if 3-credit hour courses from other institutions are comparable.
- The Agriculture Business – PreVet Option is the program with the highest conflict, as the program of study has already received ADHE approval to be over the 120 credit hour limit (in order to include the many prerequisite courses for admission to most Doctorate of Veterinary Medicine programs) with no elective hours. Our concern is that ADHE may not approve a move to 123 credit hours for the program, and would instead require us to eliminate a full 3-credit hour course.

Department Head Signature:

Date: 2/1/21

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Parks, Recreation & Hospitality	This department ☒ supports ☐ does not support the change.
Comments: PRHA Dept. supports this change. No concerns.	

Department Head Signature: Cathi McMahan

Date: 10/14/2020

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Computer & Information Science	This department ☒ supports ☐ does not support the change.
Comments: I support this change.	

Department Head Signature: Jerry Wood

Date: 10/13/2020

ARKANSAS TECH UNIVERSITY

REQUEST FOR COURSE CHANGE

Department Initiating Proposal	Date
Accounting, Finance and Economics	9-22-20

Title	Signature	Date
Department Head **Tracy Cole**	Tracy Cole	4-5-21
Dean **Russ Jones**	Kirk Russell Jones	4/23/21
Assessment **Christine Austin**	Christi Austin	7.19.21
Registrar **Tammy Weaver**	Tammy Weaver	7/27/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs **Barbara Johnson**		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Course Subject: (e.g., ACCT, ENGL)	Course Number: (e.g., 1003)
ACCT	**2003**
Official Catalog Title: **Accounting Principles I**	

Is this course cross-listed with another existing course? If so, list course subject and number.

☐ Yes ☉ No

Request to change: (check appropriate box):

☑ Course Number	☐ Title	☐ Course Description
☐ Cross-Listing	☐ Prerequisite	☑ Co-requisite
☐ Grading	☐ Fee	

☑ Other credit hours will increase from 3 to 4

NOTES: These changes will become effective in the Summer I Term of the new catalog year. If this course is cross-listed, a prerequisite/co-requisite, or included in the course description of other courses, a Course Change must be submitted to address all changes in related courses.

New Course Number: (e.g., 1003)

2004

New Official Catalog Title: (If official title exceeds 30 characters, indicate Banner Title below)

Accounting Principles I

Banner Title: (limited to 30 characters, including spaces, capitalize all letters - this will display on the transcript)

Accounting Principles I

New Course Description:

ACTS Common Course - ACCT ~~2004~~ 2003

Prerequisites: A grade of C or higher in BUAD 2003 and a grade of C or higher in MATH 1113 or higher-level math course.

Lecture three hours, laboratory one and a half hours. only change to course description

A study of fundamental processes of accounting for day to day business transactions. Includes recording business events in journal entry form and preparing adjusting entries, trial balances, financial statements, and closing entries. Introduces the basic internal control system a business must employ. Concludes with the measurement and reporting of all assets and liabilities.

Note: Accounting majors may not repeat this course to raise their grade point in accounting after completing ACCT 3013.

New Cross List:

☐ Adding Cross-Listing ☐ Changing Cross-Listing ☐ Deleting Cross-Listing

If adding or changing cross-listing, indicate course subject and number

New Prerequisite (list all, as you want them to appear in the catalog):

New Co-requisite (list all, as you want them to appear in the catalog):

There will no longer be a co-requisite.

☐ Elective ☑ Major ☐ Minor

(If major or minor course, you must complete the Request for Program Change form to add course to program.)

Answer the following Assessment questions:

a. If this course is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. ***N/A***

b. If this course is required for the major or minor, complete the following.

   a. Provide the program level learning outcome(s) it addresses. ***This course represents part of the "business core" that all business majors must take regardless of their specific degree program. Nothing will change in the assessment process due to the change from a three-hour to a four-hour course.***

   b. Provide tool or measure directly linked to each program learning outcome. (How will student learning in this outcome be measured?) ***The business core (i.e., "fundamental business knowledge") is tested on the Senior Business Exam which is given in the Business Policy class (MGMT 4083). Nothing in this process will change as a result of increasing the credit hours from three to four.***

c. What is the rationale for adding this course? What evidence supports this action? ***This is not a new course; it is simply recognizing the time students spend in the current 0-credit lab as 1 credit hour.***

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

Explanatory Note: ***ACCT 2000 (for ACCT 2003) was created as part of the G2C process that began in Fall 2013. The lab was added as a co-requisite to ACCT 2003 in Fall 2014 to see if it would increase the success rates of students in ACCT 2003. As you can see in the table below, the lab has improved student success rates in ACCT 2003. Therefore, we now believe that students should be awarded credit for (and should pay for) the additional time that they are spending in the lab; therefore, we want to increase the number of credit hours of ACCT 2003 to four hours and simply rename the existing course ACCT 2004.***

Principles of Accounting I																
	F 11	S12	F 12	S 13	F 13	S 14	F 14	S 15	F 15	S 16	F 16	S 17	F 17	S 18	F 18	S 19
% making an A	6.59%	7.30%	6.85%	13.07%	12.39%	11.18%	12.37%	13.14%	16.24%	19.08%	15.64%	17.09%	11.34%	13.04%	17.44%	19.17%
% making a B	14.84%	8.43%	15.07%	13.64%	20.64%	18.42%	29.90%	24.09%	27.92%	21.05%	27.96%	18.35%	22.16%	18.63%	17.44%	16.67%
% making a C	13.74%	20.79%	21.46%	19.89%	18.35%	23.68%	19.07%	23.36%	21.83%	25.66%	23.22%	27.22%	30.41%	27.95%	31.98%	31.67%
Total ABC rate	*35.16%*	*36.52%*	*43.38%*	*46.59%*	*51.38%*	*53.29%*	*61.34%*	*60.58%*	*65.99%*	*65.79%*	*66.82%*	*62.66%*	*63.92%*	*59.63%*	*66.86%*	*67.50%*
% making a D	19.78%	15.730%	12.33%	21.02%	14.22%	9.87%	13.92%	13.87%	12.69%	9.21%	14.22%	11.39%	10.82%	12.42%	15.12%	11.67%
% making a F	10.99%	10.112%	18.72%	11.93%	16.97%	8.55%	6.70%	10.95%	7.11%	7.89%	7.58%	6.33%	9.28%	11.18%	10.47%	5.00%
% withdrawals	34.07%	37.640%	25.57%	20.45%	17.43%	28.29%	18.04%	13.87%	14.21%	17.11%	11.37%	19.62%	15.98%	16.77%	7.56%	15.83%
% incompletes								0.73%								
Total DFWI rate	*64.84%*	*63.48%*	*56.62%*	*53.41%*	*48.62%*	*46.71%*	*38.66%*	*39.42%*	*34.01%*	*34.21%*	*33.18%*	*37.34%*	*36.08%*	*40.37%*	*33.14%*	*32.50%*
Total	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*	*100.00%*

Arkansas Tech University

DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department ☑ supports ☐ does not support the change.
Management and Marketing	
Comments: Change ACCT 2003 Principles of Accounting I to ACCT 2004 and delete corequisite ACCT 2000. ADD BDA 3003 and BDA 3013 to accounting program.	

Department Head Signature: Kevin Mason

Date: 3/4/2021

Arkansas Tech University

DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Mathematics	This department ☒ supports ☐ does not support the change.
Comments: Change ACCT 2003 Accounting Principles I to ACCT 2004 and delete corequisite ACCT 2000.	

Department Head Signature: Janie L. Myers

Date: 10/13/20

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Curriculum and Instruction	This department ☒ supports ☐ does not support the change.
Comments: This is an acceptable change.	

Department Head Signature: _____

Date: 10/20/2020

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Agriculture	This department ☐ supports ☑ does not support the change.

Comments:
The faculty in the Department of Agriculture highly value and appreciate the good work of our colleagues in the College of Business. However, we cannot support the addition of a required lab for ACCT 2003 (Accounting Principles I) for the following reasons:

- We recognize that our students benefit from a foundation in Accounting as a component of their preparation for careers in the Agribusiness industry, and the College of Business has the faculty with the requisite preparation and experience to best deliver the course. Deleting the course from all six Agriculture Business options would not be ideal.
- The addition of a required lab would make this the only course of its kind in the state (that requires 4-credit hours for the initial accounting course). However, it is our understanding that the 3-hour courses from all other institutions (including 2-year community college programs) will be substituted without problem. Our concern is that the curriculum change is not a necessity if 3-credit hour courses from other institutions are comparable.
- The Agriculture Business – PreVet Option is the program with the highest conflict, as the program of study has already received ADHE approval to be over the 120 credit hour limit (in order to include the many prerequisite courses for admission to most Doctorate of Veterinary Medicine programs) with no elective hours. Our concern is that ADHE may not approve a move to 123 credit hours for the program, and would instead require us to eliminate a full 3-credit hour course.

Department Head Signature: _____

Date: 2/1/21

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Parks, Recreation & Hospitality	This department ☒ supports ☐ does not support the change.
Comments: PRHA Dept. supports this change. No concerns.	

Department Head Signature: Caitlin McMahan

Date: 10/14/2020

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Computer & Information Science	This department ☒ supports ☐ does not support the change.
Comments: I support this change.	

Department Head Signature: Jerry Wood

Date: 10/13/2020

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Accounting, Finance and Economics	3-26-21

Title	Signature	Date
Department Head Tracy Cole	Tracy Cole	4-5-21
Dean Russ Jones		4/29/21
Assessment Christine Austin	Christi Austin	7.19.21
Registrar Tammy Weaver	Tammy Weaver	9/22/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs Barbara Johnson		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title: Accounting

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives) **Add MATH or STAT course instead of MATH course.**

1. **Add footnote on MATH 2223: "Any 2000 level MATH course or higher may be substituted for MATH 2223 (excluding MATH 2033 Mathematical Concepts I, MATH 2043 Mathematical Concepts II, and STAT 2163 Introduction to Statistical Methods). Students considering graduate school are advised to take MATH 2914 Calculus I."**
2. **Delete: MATH 1113 College Algebra**
3. **Delete footnote 2 on MATH 1113**
4. **Change: COMM 2173 Business and Professional Speaking to COMM 2173 Business and Professional Speaking or COMM 2003 Public Speaking**
5. **ACCT 2003 Accounting Principles I to ACCT 2004 Accounting Principles I**
6. **Delete: ACCT 2000 Accounting Principles I Lab**
7. **Sophomore Fall Semester Change: BUAD 2053 Business Statistics to STAT 2163 Introduction to Statistical Methods or PSY/SOC Statistics for the Behavioral Science**
8. **Change: BUAD 3023 Business Communications to ENGL 2053 Technical Writing**
9. **Add: BDA 3013 Spreadsheet Modeling**
10. **Add: BDA 3003 Data Analytics Apps**
11. **Reduce Electives from 15 to 11 hours**

What impact will the change have on staffing, on other programs and space allocation?

This change in the ACCT courses will have no impact on staffing and space allocation. It will impact other programs whose students are currently required to take ACCT 2003 and co-requisite ACCT 2000. ACCT 2004 will cover the same material that is currently covered in ACCT 2003 and ACCT 2000, but it will involve 4 credit hours instead of 3 credit hours.

Removing MATH 1113 will not impact staffing, other programs, or space allocation. Students can already skip this course if they have an exemption and take the required MATH 2223, which is a higher-level math course. Students who do not have an exemption will still have to complete 1113 before taking MATH 2223. This holds true whether or not MATH 1113 is removed from the accounting degree plan.

Changing BUAD 2053 to STAT 2163 or PSY/SOC 2053 Statistics for the Behavioral Sciences and changing BUAD 3023 to ENGL 2053 are necessary due to the proposal from Management and Marketing to delete BUAD 2053 and BUAD 3023.

Answer the following Assessment questions:

a. How does the program change align with the university mission?

This change in the ACCT courses will benefit students by furthering their progress toward the credit hours necessary for a degree by enabling them to earn 4 credit hours (instead of 3 credit hours) for completing the academic work. Students who currently take ACCT 2000 receive no credit for this academic component of their work. By eliminating ACCT 2000 and changing ACCT 2003 to ACCT 2004, students will receive academic credit for work that is required but for which students currently receive no academic credit.

This change in the ACCT courses will also benefit the university by enabling the university to gain the revenue (tuition and fees) required to pay instructional costs associated with the accounting lab, which is currently required but does not produce revenue in its non-credit status.

Removing MATH 1113 does not actually affect the accounting degree requirements. Students can already skip this course if they have an exemption and take the required MATH 2223, which is a higher-level math course.

Adding BDA 3003 and BDA 3013 aligns with the ATU mission of preparing students for jobs of the 21st Century by providing them with crucial data analytics skills, which are in demand in the accounting profession.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. **NA**

c. What is the rationale for this program change?
   1. How will the program change impact learning for students enrolled in this program?

      See Question a above.

      ACCT 2004 will cover the same content currently covered in ACCT 2003 and co-requisite ACCT 2000.

      Similarly, removing MATH 1113 is unlikely to impact student learning because students who do not already have credit for MATH 1113 or have an exemption will still have to take it before enrolling in MATH 2223. This situation is true whether or not MATH 1113 is specifically listed in the accounting degree program.

   2. Provide an example or examples of student learning assessment evidence which supports the changes in the program. NA

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

Most Arkansas institutions require a 3-credit hour Accounting Principles I course with no lab. ATU began providing an Accounting Principles I Lab as part of its Gateway to Completion initiative to increase student success. Because this initiative has significantly increased student success in Accounting Principles I, the department would like to make this innovative program a part of the students' coursework for which they earn academic credit toward their degree programs.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

See assessment plan attached.

Note: The change from a 3 to 4 hour course (ACCT 2003 to ACCT 2004) is simply a change to reflect the actual academic work performed and thus does not alter the content covered or the assessment of the knowledge gained from this course. The senior business exam will still be used to assess the foundational business knowledge covered in this class.

The deletion of MATH 1113 does not reflect a change in the courses assessed by the College of Business.
If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php. ***See attached.***

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in Accounting	
Freshman Fall Semester Add: Add MATH 2223 Quantitative Business Analysis Add Fine Arts & Humanities Add footnote on MATH 2223: "Any 2000 level MATH course or higher may be substituted for MATH 2223 (excluding MATH 2033 Mathematical Concepts I, MATH 2043 Mathematical Concepts II, and STAT 2163 Introduction to Statistical Methods). Students considering graduate school are advised to take MATH 2914 Calculus I." Change: Reduce the Elective hours from 5 to 3 Delete: MATH 1113 College Algebra Delete footnote 2 on MATH 1113 Total Hours: Increase total hours to 16	Freshman Spring Semester Change: COMM 2173 Business and Professional Speaking to COMM 2173 Business and Professional Speaking or COMM 2003 Public Speaking Add: Fine Arts & Humanities Delete: MATH 2223 Quantitative Business Analysis Total Hours: 15
Sophomore Fall Semester Change: ACCT 2003 Accounting Principles I to ACCT 2004 Accounting Principles I Change: BUAD 2053 Business Statistics to STAT 2163 Introduction to Statistical Methods or PSY/SOC Statistics for the Behavioral Science Delete: ACCT 2000 Accounting Principles I Lab Delete: Science with Lab Total Hours: Reduce to 13 hours	Sophomore Spring Semester Add: Science with Lab Delete: Fine Arts & Humanities Total Hours: increase to 16 hours
Junior Fall Semester Change: BUAD 3023 Business Communications to ENGL 2053 Technical Writing Add: BOA 3013 Spreadsheet Modeling Delete: Fine Arts & Humanities Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:

Senior Fall Semester Add: BDA 3003 Data Analytics Apps Add: Advanced Accounting II ACCT 4013 Change: Reduce Elective from 5 hours to 3 hours Delete: ACCT 4033 Auditing Total Hours: Increase to 15 hours	Senior Spring Semester Add: ACCT 4033 Auditing Delete: ACCT 4013 Advanced Accounting II Total Hours:

Senior Fall Semester	Senior Spring Semester
Add: BDA 3003 Data Analytics Apps	Add:
Development Delete: Elective (3 hours)	Delete:
Delete: ACCT 4033 Auditing	Total Hours:
Total Hours: 14 hours	

Master Schedule of Activities to meet the Mission of the ATU College of Business

College of Business

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
AACSB	Visit	Update[1]									Visit			
Mission Statement			Revise[2]										Revise	
Strategic Plan	Update		Assess/Revise[2]		Implement		Update		Update		Update		Assess/Revise	
Internal Program Review	BDA		ACCT		MKT		MGMT		FIN, ECON, MBA		BDA		ACCT	

[1] - AACSB will be implementing new standards for accreditation

[2] - ATU will begin university strategic plan, mission, and vision update; COB will do the same to ensure congruence

Undergraduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Written Comm	MGMT 4083/ BLAW 2033		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083	
Oral Comm	BLAW 2033	MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083
Ethics			MGMT 3123				MGMT 3123				MGMT 3123			
Professionalism	BUAD 3023				BUAD 3023				BUAD 3023				BUAD 3023	
Technology		MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023
ETS*	X													
Senior Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Senior Business Exam

Graduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Ethics			FIN 6103				FIN 6103				FIN 6103			
Oral Comm				MGMT 6903				MGMT 6903				MGMT 6903		
Technology			BDA 6203				BDA 6203				BDA 6203			
Written Comm	MGMT 6103				MGMT 6103				MGMT 6103				MGMT 6103	
ETS*	X	X	X											
Graduate Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Graduate Business Exam

Arkansas Tech University

DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Management and Marketing	This department ☑ supports ☐ does not support the change.
Comments: Change ACCT 2003 Principles of Accounting I to ACCT 2004 and delete corequisite ACCT 2000. ADD BDA 3003 and BDA 3013 to accounting program.	

Department Head Signature: Kevin Mason

Date: 3/4/2021

Arkansas Tech University

DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Mathematics	This department ☒ supports ☐ does not support the change.
Comments: Change ACCT 2003 Accounting Principles I to ACCT 2004 and delete corequisite ACCT 2000.	

Department Head Signature: Janie L. Myre

Date: 10/13/20

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Curriculum and Instruction	This department ☒ supports ☐ does not support the change.
Comments: This is an acceptable change.	

Department Head Signature: _____

Date: 10/20/2020

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University

DEPARTMENTAL SUPPORT FORM

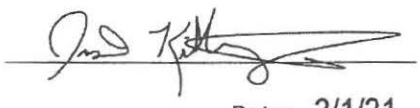
This form must be completed for every department affected by the course change.

Department Affected: Agriculture	This department ☐ supports ☑ does not support the change.

Comments:

The faculty in the Department of Agriculture highly value and appreciate the good work of our colleagues in the College of Business. However, we cannot support the addition of a required lab for ACCT 2003 (Accounting Principles I) for the following reasons:

- We recognize that our students benefit from a foundation in Accounting as a component of their preparation for careers in the Agribusiness industry, and the College of Business has the faculty with the requisite preparation and experience to best deliver the course. Deleting the course from all six Agriculture Business options would not be ideal.
- The addition of a required lab would make this the only course of its kind in the state (that requires 4-credit hours for the initial accounting course). However, it is our understanding that the 3-hour courses from all other institutions (including 2-year community college programs) will be substituted without problem. Our concern is that the curriculum change is not a necessity if 3-credit hour courses from other institutions are comparable.
- The Agriculture Business – PreVet Option is the program with the highest conflict, as the program of study has already received ADHE approval to be over the 120 credit hour limit (in order to include the many prerequisite courses for admission to most Doctorate of Veterinary Medicine programs) with no elective hours. Our concern is that ADHE may not approve a move to 123 credit hours for the program, and would instead require us to eliminate a full 3-credit hour course.

Department Head Signature: 

Date: 2/1/21

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Parks, Recreation & Hospitality	This department ☒ supports ☐ does not support the change.
Comments: PRHA Dept. supports this change. No concerns.	

Department Head Signature: Caitlin McMahan

Date: 10/14/2020

ACCT 2003/2000 → ACCT 2004

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Computer & Information Science	This department ☒ supports ☐ does not support the change.
Comments: I support this change.	

Department Head Signature: Jerry Wood

Date: 10/13/2020

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department does **NOT** support the change.
Behavioral Sciences	
Comments:	
There are NO spaces available in our BEHV statistics classes. If BUSN students load into Behavioral Science stats classes and fill them up, it will delay the progress, and likely the graduation, of Behavioral Sciences students. If we had extra capacity in those classes, we would have already cut them and used the faculty in other content classes, where they are very much needed.	

Department Head Signature: David Ward

Date: 2/25/2021

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Mathematics	This department ☑ supports ☐ does not support the change.
Comments: The Mathematics Department will try to accommodate Accounting and Finance students who need STAT 2163.	

Department Head Signature: Jeanine Myers

Date: 3/25/21

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: English and World Languages	This department ☒ supports ☐ does not support the change.
Comments: The Department of English and World Languages will provide seats for Accounting and Finance students who need ENGL 2053.	

Department Head Signature: [signature]

Date: 3-25-21

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department
Department of Communication and Journalism	☑ supports ☐ does not support the change.
Comments:	
The Department of Accounting, Finance and Economics proposes to change the Finance and Accounting degree programs to allow students to take either COMM 2173 or COMM 2003 (instead of just COMM 2173) to satisfy the communication course requirement for Finance and Accounting.	

Department Head Signature: _____

Date: 3.29.23

ARKANSAS TECH UNIVERSITY

RECEIVED

SEP 16 2021

Registrar's Office

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
BSBA – Accounting Accelerated Bachelor's Plus MBA Degree	7/15/2021

Title	Signature	Date
Department Head		
Dean	Kirk Russell Jones	7/14/2021
Assessment Christine Austin	Christi Austin	7.19.21
Registrar	Tammy Weaver	9/23/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
BSBA – Accounting Accelerated Bachelor's Plus MBA Degree

Outline change in program:

1. This program partners the BSBA undergraduate degree with the MBA degree.
2. A maximum of 12 graduate level credit hours can be counted towards both the BSBA degree in Accounting and the MBA degree.
3. Four graduate level courses can be used to replace four upper-division undergraduate courses as follows:
    - ACCT 5013 can replace ACCT 4013
    - MKT 6103 can replace MKT 3043
    - Any 2 core MBA course (other than ACCT 6103, MKT 6103, and MGMT 6903) can be used to replace general electives
4. Students may apply in their junior year for admission into the Accounting Accelerated Bachelor's Plus MBA Degree; however, they must have completed a minimum of 90 credit hours towards the Bachelor degree and have earned a minimum GPA of 3.0 or higher in those undergraduate courses to be eligible. Once approved, the student will be conditionally admitted into the MBA program.
5. Only courses with the grade of B or better will be eligible for graduate credit
6. All other general requirements for both the BSBA-Accounting and the MBA must be satisfied
7. Upon completion of the BSBA-Accounting degree requirements, students will be accepted into the Graduate College at a status consistent with the Graduate College and individual program guidelines.
8. Students must meet all of the graduate requirements for dual credit courses to receive graduate credit for these courses to contribute toward their MBA degree.
9. Students in this program will apply for graduation with the BSBA-Accounting degree on the schedule delineated in the Undergraduate Catalog and will receive their bachelor's degree upon completion of all of the requirements for the undergraduate degree. The MBA degree will be awarded when the student has completed the remaining requirements for the graduate degree.

What impact will the change have on staffing, on other programs and space allocation?

No additional staffing will be required and there will be no impact on other programs or space allocation.

Answer the following Assessment questions:

a. How does the program change align with the university mission?

   This program contributes to student success by offering more opportunities for students to access an MBA degree. By providing students the opportunity to have completed 40% of the MBA requirements upon graduation with their undergraduate degree, this increases the "stackability" of degrees in the College of Business and strongly encourages students to complete the remainder of their MBA.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

   Not applicable

c. What is the rationale for this program change?

1. How will the program change impact learning for students enrolled in this program?

   For students who are contemplating graduate studies, this program provides them the opportunity to receive 12 hours of graduate credit without delaying their undergraduate studies. This program also provides the student the opportunity to receive graduate credit while utilizing their current undergraduate financial aid.

2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

   As this is a new type of program at ATU, no assessment evidence currently exists.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

Arkansas State University-Jonesboro (ASUJ) currently offers a similar program within the Neil Griffin College of Business. ASUJ allows students to receive up to 12 hours of graduate credit toward the Master of Accountancy degree while completing their BS – Accounting. In addition, AACSB has seen a tremendous growth in accelerated programs across colleges of business in the United States. It has proven to be successful in recruiting students into their respective graduate programs.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

The program goals for the BSBA degree and the MBA degree have tremendous overlap. Both programs have the following goals: Oral Communication, Written Communication, Problem Solving, Ethics, and Business Acumen. The difference between the undergraduate and graduate programs is the level of Bloom's Taxonomy which is expected. Since the MBA program expects a 'higher' level and the artifacts in this program will be assessed at the graduate level, students in this program will be expected to meet the higher performance standard.

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in Accounting (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add/Change: Delete: Total Hours:	Sophomore Spring Semester Add/Change: Delete: Total Hours:
Junior Fall Semester Add/Change: Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Add the Accelerated BSBA Accounting to MBA Footnote to: Delete: ACCT 4013 MKT 3043 Elective 3hrs Total Hours:	Senior Spring Semester Add/Change: Add the Accelerated BSBA Accounting to MBA Footnote to: Delete: Elective 3hrs Total Hours:

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Accounting, Finance and Economics	3-26-21

Title	Signature	Date
Department Head Tracy Cole	Tracy Cole	4-5-21
Dean Russ Jones	Kirk Russell Jones	4/23/21
Assessment Christine Austin	Christi Austin	7.19.21
Registrar Tammy Weaver	Tammy Weaver	8/30/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs Barbara Johnson		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title: Finance

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

1. ***Change ACCT 2003 Accounting Principles I to ACCT 2004 Accounting Principles I***
2. ***Delete co-requisite ACCT 2000 Accounting Principles I Lab***
3. ***Delete MATH 1113 College Algebra***
4. ***Add 2 hours of General Elective credit***
5. ***Change BUAD 3023 Business Communications to ENGL 2053 Technical Writing (see proposal from Management and Marketing Dept.)***
6. ***Change BUAD 2053 Business Statistics to STAT 2163 Introduction to Statistical Methods or PSY/SOC 2053 Statistics for the Behavioral Sciences (see proposal from Management and Marketing Dept.)***
7. ***Change COMM 2173 Business and Professional Speaking to COMM 2173 Business and Professional Speaking or COMM 2003 Public Speaking***
8. ***Delete ACCT 3003 Intermediate Accounting I***
9. ***Add College of Business Elective (3000-4000)***
10. ***Add ACCT 3003 Intermediate Accounting I and FIN 3033 Principles of Real Estate to list of Finance Major Elective Options (footnote 4 in Curriculum Matrix)***

What impact will the change have on staffing, on other programs and space allocation?

This change in the ACCT courses will have no impact on staffing and space allocation. It will impact other programs whose students are currently required to take ACCT 2003 and co-requisite ACCT 2000. ACCT 2004 will cover the same material that is currently covered in ACCT 2003 and ACCT 2000, but it will involve 4 credit hours instead of 3 credit hours.

Removing MATH 1113 will not impact staffing, other programs, or space allocation. Students can already skip this course if they have an exemption and take the required MATH 2223, which is a higher-level math course. Students who do not have an exemption will still have to complete 1113 before taking MATH 2223. This holds true whether or not MATH 1113 is removed from the accounting degree plan.

Changing BUAD 2053 to STAT 2163 or PSY/SOC 2053 Statistics for the Behavioral Sciences and changing BUAD 3023 to ENGL 2053 are necessary due to the proposal from Management and Marketing to delete BUAD 2053 and BUAD 3023. (See proposal from Management and Marketing Dept.)

The other proposed changes will either have no impact on staffing or space allocation, or the changes are supported by the departments affected.

Answer the following Assessment questions:

a. How does the program change align with the university mission?

This change in the ACCT courses will benefit students by furthering their progress toward the credit hours necessary for a degree by enabling them to earn 4 credit hours (instead of 3 credit hours) for completing the academic work. Students who currently take ACCT 2000 receive no credit for this academic component of their work. By eliminating ACCT 2000 and changing ACCT 2003 to ACCT 2004, students will receive academic credit for work that is required but for which students currently receive no academic credit.

This change in the ACCT courses will also benefit the university by enabling the university to gain the revenue (tuition and fees) required to pay instructional costs associated with the accounting lab, which is currently required but does not produce revenue in its non-credit status.

Removing MATH 1113 does not actually affect the finance degree requirements. Students can already skip this course if they have an exemption and take the required MATH 2223, which is a higher-level math course.

The other program changes align with the University's mission of preparing students for success in the 21st century while providing students greater flexibility in meeting program course requirements.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. **NA**

c. What is the rationale for this program change?
   1. How will the program change impact learning for students enrolled in this program?

      See Question a above. This change is unlikely to impact student learning, as ACCT 2004 will cover the same content currently covered in ACCT 2003 and co-requisite ACCT 2000.

      Similarly, removing MATH 1113 is unlikely to impact student learning because students who do not already have credit for MATH 1113 or have an exemption will still have to take it before enrolling in MATH 2223. This situation is true whether or not MATH 1113 is specifically listed in the finance degree program.

      The other proposed changes will streamline the course offerings to be more efficient and meet current financial resource restrictions while still providing students the essential content necessary for the finance program.

   2. Provide an example or examples of student learning assessment evidence which supports the changes in the program. NA

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

Most Arkansas institutions require a 3-credit hour Accounting Principles I course with no lab. ATU began providing an Accounting Principles I Lab as part of its Gateway to Completion initiative to increase student success. Because this initiative has significantly increased student success in Accounting Principles I, the department would like to make this innovative program a part of the students' coursework for which they earn academic credit toward their degree programs.

The other proposed changes fit the current state of the discipline by providing the content needed for finance majors while providing them greater course flexibility.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment

plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

See attached assessment plan

Note: The change from a 3 to 4 hour course (ACCT 2003 to ACCT 2004) is simply a change to reflect the actual academic work performed and thus does not alter the content covered or the assessment of the knowledge gained from this course. The senior business exam will still be used to assess the foundational business knowledge covered in this class.

The deletion of MATH 1113 does not reflect a change in the courses assessed by the College of Business.

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

Departmental Support forms for other affected departments are attached.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in Finance	
Freshman Fall Semester Add: Add MATH 2223 Quantitative Business Analysis Delete: MATH 1113 College Algebra Total Hours: 16	Freshman Spring Semester Change: COMM 2173 Business and Professional Speaking to COMM 2173 Business and Professional Speaking or COMM 2003 Public Speaking Add: MATH 2243 Calculus for Business and Economics Delete: MATH 2223 Quantitative Business Analysis Total Hours: 16
Sophomore Fall Semester Change: ACCT 2003 Accounting Principles I to ACCT 2004 Accounting Principles I Add: 2 hours of General Elective Delete: ACCT 2000 Accounting Principles I Lab Delete: MATH 2243 Calculus for Business and Economics Total Hours: 15 hours	Sophomore Spring Semester Change: BUAD 2053 Business Statistics to STAT 2163 Introduction to Statistical Methods or PSY/SOC 2053 Statistics for the Behavioral Sciences Change: BUAD 3023 Business Communications to ENGL 2053 Technical Writing Total Hours: 16 hours
Junior Fall Semester Add: College of Business Elective (3000-4000) Delete: ACCT 3003 Intermediate Accounting I Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Delete: Total Hours:

College of Business AOL Process

Overview of the College of Business Assessment Process

1. During the Fall 2018 semester the faculty helped create the following five rubrics for the first four COB learning objectives:

a. Oral Communication – summary data to be collected in MGMT 4083

b. Written Communication – summary data to be collected in MGMT 4083; formative data in BLAW 2033

c. Technology – summary data to be collected in MGMT 4013 & ACCT 3023

d. Professionalism – summary data to be collected in BUAD 3023 (using multiple volunteers)

e. Ethics – summary data to be collected in MGMT 3123.

2. Foundational business knowledge has been assessed using the ETS Major Field Test. During the Spring 2019 semester, the faculty developed an in-house Senior Business Exam. This exam will be administered along with the ETS test for the Spring 2019 and Fall 2019 semesters to ensure the reliability of the exam. After that, only the Senior Business Exam will be administered. Formative data will also be collected in the individual business core classes.

3. The Director of Assessment's office will compile all data collected from the rubrics and the Senior Business Exam and will produce reports/charts showing the results. These will be shared with all members of the AOL/Curriculum Committee. The designated department representative on the committee will then discuss the results with his/her department to determine any corrective actions that are determined to be needed. Any curriculum proposals will be submitted to the committee; teaching techniques, change in textbooks, etc., will be implemented by the appropriate faculty.

Master Schedule of Activities to meet the Mission of the ATU College of Business

College of Business

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
AACSB	Visit	Update[1]									Visit			
Mission Statement			Revise[2]										Revise	
Strategic Plan	Update		Assess/Revise[2]		Implement		Update		Update		Update		Assess/Revise	
Internal Program Review	BDA		ACCT		MKT		MGMT		FIN, ECON, MBA		BDA		ACCT	

[1] - AACSB will be implementing new standards for accreditation

[2] - ATU will begin university strategic plan, mission, and vision update; COB will do the same to ensure congruence

Undergraduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Written Comm	MGMT 4083/ BLAW 2033		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083	
Oral Comm	BLAW 2033	MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083
Ethics			MGMT 3123				MGMT 3123				MGMT 3123			
Professionalism	BUAD 3023				BUAD 3023				BUAD 3023				BUAD 3023	
Technology		MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023
ETS*	X													
Senior Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Senior Business Exam

Graduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Ethics			FIN 6103				FIN 6103				FIN 6103			
Oral Comm				MGMT 6903				MGMT 6903				MGMT 6903		
Technology			BDA 6203				BDA 6203				BDA 6203			
Written Comm	MGMT 6103				MGMT 6103				MGMT 6103				MGMT 6103	
ETS*	X	X	X											
Graduate Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Graduate Business Exam

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department does **NOT** support the change.
Behavioral Sciences	

Comments:

There are NO spaces available in our BEHV statistics classes. If BUSN students load into Behavioral Science stats classes and fill them up, it will delay the progress, and likely the graduation, of Behavioral Sciences students. If we had extra capacity in those classes, we would have already cut them and used the faculty in other content classes, where they are very much needed.

Department Head Signature: David Ward

Date: 2/25/2021

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Mathematics	This department ☑ supports ☐ does not support the change.
Comments: The Mathematics Department will try to accommodate Accounting and Finance students who need STAT 2163.	

Department Head Signature: Jeanine Myers

Date: 3/25/21

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: English and World Languages	This department ☒ supports ☐ does not support the change.
Comments: The Department of English and World Languages will provide seats for Accounting and Finance students who need ENGL 2053.	

Department Head Signature: [signature]

Date: 3-25-21

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department
Department of Communication and Journalism	☑ supports ☐ does not support the change.
Comments:	
The Department of Accounting, Finance and Economics proposes to change the Finance and Accounting degree programs to allow students to take either COMM 2173 or COMM 2003 (instead of just COMM 2173) to satisfy the communication course requirement for Finance and Accounting.	

Department Head Signature: _____

Date: 3.29.23

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
BSBA – Finance Accelerated Bachelor's Plus MBA Degree	7/15/2021

Title	Signature	Date
Department Head		
Dean	Kirk Russell Jones	7/14/2021
Assessment	Christ Austin	7.19.21
Registrar	Tammy Williams	8/30/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
BSBA – Finance Accelerated Bachelor's Plus MBA Degree

Outline change in program:

1. This program partners the BSBA undergraduate degree with the MBA degree.
2. A maximum of 12 graduate level credit hours can be counted towards both the BSBA degree in Finance and the MBA degree.
3. Four graduate level courses can be used to replace four upper-division undergraduate courses as follows:
    - FIN 6103 can replace FIN 4093
    - BDA 6203 can replace MGMT 4013
    - ECON 6103 can replace Finance Elective
    - ACCT 6103 can replace Finance Elective
4. Students may apply in their junior year for admission into the Finance Accelerated Bachelor's Plus MBA Degree; however, they must have completed a minimum of 90 credit hours towards the Bachelor degree and have earned a minimum GPA of 3.0 or higher in those undergraduate courses to be eligible. Once approved, the student will be conditionally admitted into the MBA program.
5. Only courses with the grade of B or better will be eligible for graduate credit
6. All other general requirements for both the BSBA-Finance and the MBA must be satisfied
7. Upon completion of the BSBA-Finance degree requirements, students will be accepted into the Graduate College at a status consistent with the Graduate College and individual program guidelines.
8. Students must meet all of the graduate requirements for dual credit courses to receive graduate credit for these courses to contribute toward their MBA degree.
9. Students in this program will apply for graduation with the BSBA-Finance degree on the schedule delineated in the Undergraduate Catalog and will receive their bachelor's degree upon completion of all of the requirements for the undergraduate degree. The MBA degree will be awarded when the student has completed the remaining requirements for the graduate degree.

What impact will the change have on staffing, on other programs and space allocation?

No additional staffing will be required and there will be no impact on other programs or space allocation.

Answer the following Assessment questions:

a. How does the program change align with the university mission?

   This program contributes to student success by offering more opportunities for students to access an MBA degree. By providing students the opportunity to have completed 40% of the MBA requirements upon graduation with their undergraduate degree, this increases the "stackability" of degrees in the College of Business and strongly encourages students to complete the remainder of their MBA.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

   Not applicable

c. What is the rationale for this program change?

1. How will the program change impact learning for students enrolled in this program?

   For students who are contemplating graduate studies, this program provides them the opportunity to receive 12 hours of graduate credit without delaying their undergraduate studies. This program also provides the student the opportunity to receive graduate credit while utilizing their current undergraduate financial aid.

2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

   As this is a new type of program at ATU, no assessment evidence currently exists.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

Arkansas State University-Jonesboro (ASUJ) currently offers a similar program within the Neil Griffin College of Business. ASUJ allows students to receive up to 12 hours of graduate credit toward the Master of Accountancy degree while completing their BS – Accounting. In addition, AACSB has seen a tremendous growth in accelerated programs across colleges of business in the United States. It has proven to be successful in recruiting students into their respective graduate programs.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

The program goals for the BSBA degree and the MBA degree have tremendous overlap. Both programs have the following goals: Oral Communication, Written Communication, Problem Solving, Ethics, and Business Acumen. The difference between the undergraduate and graduate programs is the level of Bloom's Taxonomy which is expected. Since the MBA program expects a 'higher' level and the artifacts in this program will be assessed at the graduate level, students in this program will be expected to meet the higher performance standard.

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in Finance (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add/Change: Delete: Total Hours:	Sophomore Spring Semester Add/Change: Delete: Total Hours:
Junior Fall Semester Add/Change: Add Footnote 5 to Finance Major Elective Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Add Footnote 5 to MGMT 4013 Delete: Total Hours:	Senior Spring Semester Add/Change: Add Footnote 5 to FIN 4093 and Finance Major Elective Delete: Total Hours:

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Accounting, Finance and Economics	3-3-21

Title	Signature	Date
Department Head Tracy Cole	Tracy Cole	4-5-21
Dean Russ Jones	Kirk Russell Jones	4/21/21
Assessment Christine Austin	Christi Austin	7.19.21
Registrar	Tammy Deaver	7/27/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Minor in Accounting

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

(1) Delete ACCT 2003 and ACCT 2000 and (2) add ACCT 2004. This will change the total number of hours required for the Minor in Accounting from 21 hour to 22 hours.

What impact will the change have on staffing, on other programs and space allocation?

None

Answer the following Assessment questions:

a. How does the program change align with the university mission? ***This change will promote student success in two ways. First, students who currently take ACCT 2000 receive no credit for this academic component of their work. By eliminating ACCT 2000 and changing ACCT 2003 to ACCT 2004, students will receive academic credit for work that is required but for which students currently receive no academic credit. Second, the work that is now included in ACCT 2000 will become part of the grade for ACCT 2004. This change may help students to earn the grades necessary to successfully complete this course with a C or higher.***

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. *Not applicable.*
What is the rationale for this program change? ***See a. above. Most Arkansas institutions require a 3-credit hour Accounting Principles I course with no lab. ATU began providing an Accounting Principles I Lab as part of its Gateway to Completion initiative to increase student success. Because this initiative has significantly increased student success in Accounting Principles I, the department would like to make this innovative program a part of the students' coursework for which they earn academic credit toward their degree programs.***
    1. How will the program change impact learning for students enrolled in this program?
    2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions. ***Not applicable to minors.***

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.) ***Assessment of learning for accounting is covered through assessment of the Accounting major program and the College of Business assessment criteria for its accrediting body, AACSB.***

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.
Not applicable to minors.

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Accounting, Finance and Economics	3-19-21

Title	Signature	Date
Department Head Tracy Cole	Tracy Cole	3-29-21
Dean Russ Jones	Kirk Russell Jones	4/23/2021
Assessment Christine Austin	Christi Austin	7.19.21
Registrar	Tammy Weaver	7/27/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Minor in Economics

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

1. Add sentences underneath "Economics" heading: "The minor in Economics is not available to Finance majors. The minor in Economics is available to all other majors provided that the student takes at least nine hours of coursework to satisfy the Economics minor requirements that are not otherwise counted as requirements for the student's major."
2. Delete the subheading "Required Courses (9 hours)"
3. Add the following to the list of courses (currently under the "Required Courses (9 hours)" subheading)
    - ECON 2003 Principles of Economics I or ECON 2103 Honors Principles of Economics I
    - ECON 2013 Principles of Economics II
    - Any other 3-hour ECON or FIN course

    When this is done, the complete list of courses should read:
    - ECON 2003 Principles of Economics I or ECON 2103 Honors Principles of Economics I
    - ECON 2013 Principles of Economics II
    - ECON 3003 Money and Banking
    - ECON 3073 Intermediate Microeconomic Theory
    - ECON 3093 Econometrics
    - Any other 3-hour ECON or FIN course
4. Delete the following:

Elective Courses (choose 9 hours)

- ECON 3013 Economics of Labor Relations
- ECON 3023 Intermediate Macroeconomics
- ECON 4003 Readings in Economic Theory
- ECON/FIN 4093 International Economics and Finance
- ECON 4103 Economics Special Topics
- BDA 3053 Business Data Analysis
- FIN 2013 Personal Finance

NOTE: When the changes described above are implemented, the Economics minor should appear in the catalog as follows:

Economics

The minor in Economics is not available to Finance majors. The minor in Economics is available to all other majors provided that the student takes at least nine hours of coursework to satisfy the Economics minor requirements that are not otherwise counted as requirements for the student's major.

The minor in Economics requires 18 hours of courses:

- ECON 2003 Principles of Economics I or ECON 2103 Honors Principles of Economics I
- ECON 2013 Principles of Economics II
- ECON 3003 Money and Banking
- ECON 3073 Intermediate Microeconomic Theory
- ECON 3093 Econometrics
- Any other 3-hour ECON or FIN course

What impact will the change have on staffing, on other programs and space allocation?
None

Answer the following Assessment questions:

a. How does the program change align with the university mission? ***This program aligns with the mission of preparing ATU students for jobs in the 21st Century by making the minor in Economics more accessible to students by including lower-division courses.***

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. ***Not applicable.***

c. What is the rationale for this program change? ***See above: The current minor in Economics is not accessible to students because, with the exception of FIN 2013, it includes only upper-division courses with numerous prerequisites. Some of these courses have not been offered in years due to staffing constraints and limited demand for the courses.***

   1. How will the program change impact learning for students enrolled in this program?
   2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions. ***Not applicable to minors.***

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

Assessment of learning for economics is covered through assessment of the Finance program and the College of Business assessment criteria for its accrediting body, AACSB.

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

Not applicable.

PROPOSAL TABLED

ARKANSAS TECH UNIVERSITY

RECEIVED
SEP 16 2021
Registrar's Office

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Management and Marketing	2-20-21

Title	Signature	Date
Department Head **Kevin Mason**		
Dean **Russ Jones**	Kirk Russell Jones	7/19/2021
Assessment Christine Austin	Christi Austin	7.19.2021
Registrar	Tammy Lee Allen	9/23/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Business Data Analytics (BDA)

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

1. **Delete COMM 2173 Business & Professional Speaking**
   and Add COMM 2173 or COMM 2003
2. **Change: ACCT 2003/2000 to ACCT 2004**
   and Reduce 3 hour Elective to 2 hour Elective
3. **Delete: BUAD 2053 Business Statistics**
   and Add STAT 2163 or PSY/SOC 2053
4. **Delete: BUAD 3023 Business Communications**
   and Add ENGL 2053 Technical Writing
5. **Delete "Specified Elective3" (6 hours)** Advanced Electives and Support Electives
   and Delete "BDA Elective2" (9 hours)
   and Add "Approved Elective2" (15 hours)
6. **Add footnote: [2]Approved Electives: MGMT 3113 Business Process Improvement, BDA 4031-3 Internship, BDA 4073 Special Topics, MKT 4013 Digital Metrics, FIN 4033 Financial Modeling, COMS 1333 Web Publishing, ~~COMS 2104 Foundations of Computer Programming I (Prerequisite COMS 1403 Orientation to Computing, Information, and Technology/COMS 1411 Computer and Information Science Lab)~~, MKT 3063 Social Media Marketing, PHIL 3103 Logic, HIM 4063 Organization and Administration, MGMT 4103 Supply Chain Management, STAT 2303 Statistical Methods or higher STAT course**

and Delete footnotes: [2]BDA Electives: MGMT 3113 Business Process Improvement, BDA 4031-3 Internship, BDA 4073 Special Topics; [3]Three hours of Advanced Electives from the following: MKT 4013 Digital Metrics FIN 4033 Financial Modeling COMS 1333 Web Publishing; COMS 2104 Foundations of Computer Programming I (Prerequisite COMS 1403 Orientation to Computing, Information, and Technology/COMS 1411 Computer and Information Science Lab) AND three hours of Support Elective from the following: MKT 3063 Social Media Marketing PHIL 3103 Logic, HIM 4063 Organization and Administration (Prerequisite HIM 3023 Introduction to Health Information Management) MGMT 4103 Supply Chain Management.

COMS 1013 Programming I
COMS 1011 Programming I Lab

What impact will the change have on staffing, on other programs and space allocation?
This proposal will reduce the existing demand on BDA faculty resources.

Answer the following Assessment questions:

a. How does the program change align with the university mission?
This proposal fits with the mission in that the new major prepares students for success in the 21st century.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.
Not applicable.

c. What is the rationale for this program change?
   1. How will the program change impact learning for students enrolled in this program?
Due to financial resource restrictions, the MGMK department needs to streamline course offerings to be more efficient in course offerings.
   2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

Not applicable.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.
This proposal improves efficiency without otherwise impacting our BDA major.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)
Attached

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.
Attached

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in*_____ (enter title for program changing)	
Freshman Fall Semester Add/Change: **COMM 2173 (Business & Professional Speaking) or COMM 2003 (Public Speaking)** Add/Change: **Fine Arts & Humanities[1] (3 hours)** Delete: **3 hour Elective** Total Hours: **Increase total hours from 13 to 16**	Freshman Spring Semester Add/Change: **Science with Lab[1] (4 hours)** Delete: **COMM 2173 (Business & Professional Speaking)** Total Hours: **Increase total hours from 15 to 16**
Sophomore Fall Semester Add: **STAT 2163 (Introduction to Statistical Methods) or PSY/SOC 2053** Add/Change: **Fine Arts & Humanities[1] (3 hours)** Change: **ACCT 2003/2000 to ACCT 2004** Delete: **BUAD 3023 (Business Communications)** Delete: **BUAD 2053 (Business Statistics)** Total Hours: **Increase total hours from 15 to 16.**	Sophomore Spring Semester Add/Change: **ENGL 2053 (Technical Writing)** Delete: **BDA 3053 (Business Data Analysis)**
Junior Fall Semester Add: **3 hr. Approved Elective[2]** Delete: **ECON 3093 (Econometrics)**	Junior Spring Semester Add: **ECON 3093 (Econometrics)** Add: **6 hr. Approved Elective[2]** Add: **BDA 3053 (Business Data Analysis)** Delete: **6 hr. BDA Elective[2]** Delete: **3 hr. Specified Elective[3]** Delete:**Science with Lab (4 hours)** Total Hours: **Decrease total hours from 16 to 15.**
Senior Fall Semester Add/Change: **6 hr. Approved Elective[2]** Add/Change: **2 hr. Elective** Delete: **3 hr. Specified Elective[3]** Delete: **Fine Arts & Humanities (6 hours)** Total Hours: **Decrease total hours from 15 to 14.**	Senior Spring Semester Add/Change: Delete: **3 hr. BDA Elective[2]** Total Hours: **Decrease total hours from 15 to 12.**

Add footnote:

[2]Approved Electives: MGMT 3113 Business Process Improvement, BDA 4031-3 Internship, BDA 4073 Special Topics, MKT 4013 Digital Metrics, FIN 4033 Financial Modeling, COMS 1333 Web Publishing, COMS 2104 Foundations of Computer Programming I (Prerequisite COMS 1403 Orientation to Computing, Information, and Technology/COMS 1411 Computer and Information Science Lab), MKT

3063 Social Media Marketing, PHIL 3103 Logic, HIM 4063 Organization and Administration, MGMT 4103 Supply Chain Management, STAT 2303 Statistical Methods or higher STAT course

Delete footnotes:

[2]**BDA Electives:** MGMT 3113 Business Process Improvement, BDA 4031-3 Internship, BDA 4073 Special Topics.

[3]**Three hours of Advanced Electives from the following:**
MKT 4013 Digital Metrics
FIN 4033 Financial Modeling
COMS 1333 Web Publishing
COMS 2104 Foundations of Computer Programming I **(Prerequisite** COMS 1403 Orientation to Computing, Information, and Technology/COMS 1411 Computer and Information Science Lab**)**
AND **three hours of Support Elective from the following:**
MKT 3063 Social Media Marketing
PHIL 3103 Logic
HIM 4063 Organization and Administration **(Prerequisite** HIM 3023 Introduction to Health Information Management**)**
MGMT 4103 Supply Chain Management.

College of Business AOL Process

Overview of the College of Business Assessment Process

1. During the Fall 2018 semester the faculty helped create the following five rubrics for the first four COB learning objectives:

a. Oral Communication – summary data to be collected in MGMT 4083

b. Written Communication – summary data to be collected in MGMT 4083; formative data in BLAW 2033

c. Technology – summary data to be collected in MGMT 4013 & ACCT 3023

d. Professionalism – summary data to be collected in BUAD 3023 (using multiple volunteers)

e. Ethics – summary data to be collected in MGMT 3123.

2. Foundational business knowledge has been assessed using the ETS Major Field Test. During the Spring 2019 semester, the faculty developed an in-house Senior Business Exam. This exam will be administered along with the ETS test for the Spring 2019 and Fall 2019 semesters to ensure the reliability of the exam. After that, only the Senior Business Exam will be administered. Formative data will also be collected in the individual business core classes.

3. The Director of Assessment's office will compile all data collected from the rubrics and the Senior Business Exam and will produce reports/charts showing the results. These will be shared with all members of the AOL/Curriculum Committee. The designated department representative on the committee will then discuss the results with his/her department to determine any corrective actions that are determined to be needed. Any curriculum proposals will be submitted to the committee; teaching techniques, change in textbooks, etc., will be implemented by the appropriate faculty.

Master Schedule of Activities to meet the Mission of the ATU College of Business

College of Business

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
AACSB	Visit	Update[1]									Visit			
Mission Statement			Revise[2]										Revise	
Strategic Plan	Update		Assess/Revise[2]		Implement		Update		Update		Update		Assess/Revise	
Internal Program Review	BDA		ACCT		MKT		MGMT		FIN, ECON, MBA		BDA		ACCT	

[1] - AACSB will be implementing new standards for accreditation

[2] - ATU will begin university strategic plan, mission, and vision update; COB will do the same to ensure congruence

Undergraduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Written Comm	MGMT 4083/ BLAW 2033		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083	
Oral Comm	BLAW 2033	MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083
Ethics			MGMT 3123				MGMT 3123				MGMT 3123			
Professionalism	BUAD 3023				BUAD 3023				BUAD 3023				BUAD 3023	
Technology		MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023
ETS*	X													
Senior Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Senior Business Exam

Graduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Ethics			FIN 6103				FIN 6103				FIN 6103			
Oral Comm				MGMT 6903				MGMT 6903				MGMT 6903		
Technology			BDA 6203				BDA 6203				BDA 6203			
Written Comm	MGMT 6103				MGMT 6103				MGMT 6103				MGMT 6103	
ETS*	X	X	X											
Graduate Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Graduate Business Exam

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Behavioral Sciences	This department does **NOT** support the change.
Comments: There are NO spaces available in our BEHV statistics classes. If BUSN students load into Behavioral Science stats classes and fill them up, it will delay the progress, and likely the graduation, of Behavioral Sciences students. If we had extra capacity in those classes, we would have already cut them and used the faculty in other content classes, where they are very much needed.	

Department Head Signature: _

Date: 2/25/2021

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: English and World Languages	This department √ supports ☐ does not support the change.
Comments: The Department of English and World Languages will provide seats for MGMK students who need ENGL 2053.	

Department Head Signature: _____

Date: February 25, 2021

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: MATH	This department ☒ supports ☐ does not support the change.
Comments:	

Department Head Signature: Jessica L. Myers

Date: 2-25-21

PROPOSAL TABLED

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
BSBA – Business Data Analytics Accelerated Bachelor's Plus MBA Degree	7/15/2021

Title	Signature	Date
Department Head		
Dean	Kirk Russell Jones	7/14/2021
Assessment	Christi Austin	7.19.21
Registrar	Tammy Weaver	9/23/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
BSBA – Business Data Analytics Accelerated Bachelor's Plus MBA Degree

Outline change in program:

1. This program partners the BSBA undergraduate degree with the MBA degree.
2. A maximum of 12 graduate level credit hours can be counted towards both the BSBA degree in Business Data Analytics and the MBA degree.
3. Four graduate level courses can be used to replace four upper-division undergraduate courses as follows:
    - BDA 6203 can replace MKT 3153
    - MGMT 6203 can replace MGMT 4103
    - MKT 6103 can replace MKT 4013
    - BDA 6323 can replace BDA 4003
4. Students may apply in their junior year for admission into the Business Data Analytics Accelerated Bachelor's Plus MBA Degree; however, they must have completed a minimum of 90 credit hours towards the Bachelor degree and have earned a minimum GPA of 3.0 or higher in those undergraduate courses to be eligible. Once approved, the student will be conditionally admitted into the MBA program.
5. Only courses with the grade of B or better will be eligible for graduate credit
6. All other general requirements for both the BSBA-Business Data Analytics and the MBA must be satisfied
7. Upon completion of the BSBA-Business Data Analytics degree requirements, students will be accepted into the Graduate College at a status consistent with the Graduate College and individual program guidelines.
8. Students must meet all of the graduate requirements for dual credit courses to receive graduate credit for these courses to contribute toward their MBA degree.
9. Students in this program will apply for graduation with the BSBA-Business Data Analytics degree on the schedule delineated in the Undergraduate Catalog and will receive their bachelor's degree upon completion of all of the requirements for the undergraduate degree. The MBA degree will be awarded when the student has completed the remaining requirements for the graduate degree.

What impact will the change have on staffing, on other programs and space allocation?

No additional staffing will be required and there will be no impact on other programs or space allocation.

Answer the following Assessment questions:

a. How does the program change align with the university mission?

This program contributes to student success by offering more opportunities for students to access an MBA degree. By providing students the opportunity to have completed 40% of the MBA requirements upon graduation with their undergraduate degree, this increases the "stackability" of degrees in the College of Business and strongly encourages students to complete the remainder of their MBA.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

Not applicable

c. What is the rationale for this program change?

1. How will the program change impact learning for students enrolled in this program?

For students who are contemplating graduate studies, this program provides them the opportunity to receive 12 hours of graduate credit without delaying their undergraduate studies. This program also provides the student the opportunity to receive graduate credit while utilizing their current undergraduate financial aid.

2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

As this is a new type of program at ATU, no assessment evidence currently exists.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

Arkansas State University-Jonesboro (ASUJ) currently offers a similar program within the Neil Griffin College of Business. ASUJ allows students to receive up to 12 hours of graduate credit toward the Master of Accountancy degree while completing their BS – Accounting. In addition, AACSB has seen a tremendous growth in accelerated programs across colleges of business in the United States. It has proven to be successful in recruiting students into their respective graduate programs.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

The program goals for the BSBA degree and the MBA degree have tremendous overlap. Both programs have the following goals: Oral Communication, Written Communication, Problem Solving, Ethics, and Business Acumen. The difference between the undergraduate and graduate programs is the level of Bloom's Taxonomy which is expected. Since the MBA program expects a 'higher' level and the artifacts in this program will be assessed at the graduate level, students in this program will be expected to meet the higher performance standard.

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in_____ (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add/Change: Delete: Total Hours:	Sophomore Spring Semester Add/Change: Delete: Total Hours:
Junior Fall Semester Add/Change: Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Delete: Total Hours:

PROPOSAL TABLED

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Management and Marketing	2/20/2021

Title	Signature	Date
Department Head Kevin Mason (Interim)	Kevin Mason	03/15/2021
Dean Russ Jones	Kirk Russell Jones	7/19/2021
Assessment Christine Austin		9.27.21
Registrar		9/27/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
The current Program is Management Major- Business Management Track. This proposal is to replace the track with a **Management** major.

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

1. **The Management and Marketing Department propose to delete three Management major tracks (concentrations) of Entrepreneurship, Human Resource Management, and Business Management and replace them with the proposed Management major.**
2. **Delete COMM 2173 Business & Professional Speaking**
   and Add COMM 2173 or COMM 2003
3. **Change: ACCT 2003/2000 to ACCT 2004**
   ~~and Reduce 3 hour elective to 2 hour Elective~~
4. **Delete: BUAD 2053 Business Statistics**
   and Add STAT 2163 or PSY/SOC 2053
5. **Delete: BUAD 3023 Business Communications**
   and Add ENGL 2053 Technical Writing
6. **Delete MGMT 3023 Principles of Human Resource Management**
   ~~and increase Management Elective 3000-4000 from 3 to 6 hours~~
7. **~~Change 3 hour Management Elective to 3 hour College of Business Elective 3000-4000~~**
8. **Delete MGMT 4053 Small Business Management**
   and Delete MGMT 4213 Strategy and Leadership
   and Add ~~6~~ 5 hours of Electives
9. **Delete MGMT ~~4203~~ Supply Chain Management** 4103
   and Change (3 hour Management or College of Business Elective) to ~~6~~ 9 hour College of Business Elective 3000-4000

What impact will the change have on staffing, on other programs and space allocation?

This proposal will reduce the existing demand on Marketing faculty resources.

Answer the following Assessment questions:

a. How does the program change align with the university mission?

   This proposal fits with the mission in that the new major prepares students for success in the 21st century.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

   Not applicable.

c. What is the rationale for this program change?
   1. How will the program change impact learning for students enrolled in this program?

      Due to financial resource restrictions, the MGMK department needs to streamline course offerings to be more efficient in course offerings.

   2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

      N/A

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

   This proposal aligns our marketing major with changes in the marketing discipline that have occurred with advances in technology and information analytics.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

   Attached

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

Attached are approvals from the ACCT/FIN, ENGL, MATH, Behavioral Sciences, HA and COMS departments.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in _Business Management Track_ (New Major: Management)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Change COMM 2173 (Business & Professional Speaking) to COMM2173 (Business & Professional Speaking) or COMM 2003 (Public Speaking) Add: Science with Lab[1] Delete: Fine Arts & Humanities[1] Total Hours: Increase from 15 to 16
Sophomore Fall Semester Change ACCT 2003/2000 to ACCT 2004 Add: Fine Arts & Humanities[1] Delete: Science with Lab[1] Total Hours:	Sophomore Spring Semester Add: STAT 2163 or PSY/SOC 2053 Delete BUAD 2053 (Business Statistics) Total Hours:
Junior Fall Semester Add: ENGL 2053 (Technical Writing) Change: Increase Management Elective (3000-4000) hours from 3 to 6 hours. Delete: MGMT 3023 (Principles of Human Resource Management) Delete: BUAD 3023 (Business Communications). Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add: Electives (6 Hours) Change: Management Elective (3000-4000) to College of Business Elective (3000-4000). Delete: MGMT 4053 (Small Business Management) Delete: MGMT 4213 (Strategy and Leadership). Total Hours:	Senior Spring Semester Add Change: Management or College of Business Elective (3000-4000) to College of Business Elective (3000-4000) and increased the number of hours required from 3 to 6 hours. Change: Lower the number of Electives from 3 to 2 hours. Delete: MGMT 4103 (Supply Chain Management) Total Hours: Reduce the total hours from 12 to 11 hours.

MEMO

From: Kevin Mason (Interim MGMK Department Head)

Re: Phase out existing Management Tracks and replace with a Management Major

The Management and Marketing Department will discontinue offering the Management major tracks (concentrations) of Entrepreneurship, Human Resource Management, and Business Management and replace them with the proposed Management major. Exiting management majors will be encouraged to change their major to the Management major as the current management tracks will be phased it out by the end of May 2025. The department asks that the existing Management major tracks be deleted from the 2022/23 catalog.

College of Business AOL Process

Overview of the College of Business Assessment Process

1. During the Fall 2018 semester the faculty helped create the following five rubrics for the first four COB learning objectives:

a. Oral Communication – summary data to be collected in MGMT 4083

b. Written Communication – summary data to be collected in MGMT 4083; formative data in BLAW 2033

c. Technology – summary data to be collected in MGMT 4013 & ACCT 3023

d. Professionalism – summary data to be collected in BUAD 3023 (using multiple volunteers)

e. Ethics – summary data to be collected in MGMT 3123.

2. Foundational business knowledge has been assessed using the ETS Major Field Test. During the Spring 2019 semester, the faculty developed an in-house Senior Business Exam. This exam will be administered along with the ETS test for the Spring 2019 and Fall 2019 semesters to ensure the reliability of the exam. After that, only the Senior Business Exam will be administered. Formative data will also be collected in the individual business core classes.

3. The Director of Assessment's office will compile all data collected from the rubrics and the Senior Business Exam and will produce reports/charts showing the results. These will be shared with all members of the AOL/Curriculum Committee. The designated department representative on the committee will then discuss the results with his/her department to determine any corrective actions that are determined to be needed. Any curriculum proposals will be submitted to the committee; teaching techniques, change in textbooks, etc., will be implemented by the appropriate faculty.

Master Schedule of Activities to meet the Mission of the ATU College of Business

College of Business

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
AACSB	Visit	Update[1]									Visit			
Mission Statement			Revise[2]										Revise	
Strategic Plan	Update		Assess/Revise[2]		Implement		Update		Update		Update		Assess/Revise	
Internal Program Review	BDA		ACCT		MKT		MGMT		FIN, ECON, MBA		BDA		ACCT	

[1] - AACSB will be implementing new standards for accreditation

[2] - ATU will begin university strategic plan, mission, and vision update; COB will do the same to ensure congruence

Undergraduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Written Comm	MGMT 4083/ BLAW 2033		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083	
Oral Comm	BLAW 2033	MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083
Ethics			MGMT 3123				MGMT 3123				MGMT 3123			
Professionalism	BUAD 3023				BUAD 3023				BUAD 3023				BUAD 3023	
Technology		MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023
ETS*	X													
Senior Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Senior Business Exam

Graduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Ethics			FIN 6103				FIN 6103				FIN 6103			
Oral Comm				MGMT 6903				MGMT 6903				MGMT 6903		
Technology			BDA 6203				BDA 6203				BDA 6203			
Written Comm	MGMT 6103				MGMT 6103				MGMT 6103				MGMT 6103	
ETS*	X	X	X											
Graduate Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Graduate Business Exam

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department ☑ supports ☐ does not support the change.
Accounting, Finance and Economics	
Comments:	

Department Head Signature: Tracy Cole

Date: 3-4-21

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Behavioral Sciences	This department does **NOT** support the change.
Comments: There are NO spaces available in our BEHV statistics classes. If BUSN students load into Behavioral Science stats classes and fill them up, it will delay the progress, and likely the graduation, of Behavioral Sciences students. If we had extra capacity in those classes, we would have already cut them and used the faculty in other content classes, where they are very much needed.	

Department Head Signature: _

Date: 2/25/2021

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Computer and Information Science	This department ☒ supports ☐ does not support the change.
Comments:	

Department Head Signature: Jerry Wood

Date: 2-24-2021

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department √ supports ☐ does not support the change.
English and World Languages	
Comments: The Department of English and World Languages will provide seats for MGMK students who need ENGL 2053.	

Department Head Signature: _____

Date: February 25, 2021

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Hospitality Administration	This department ☒ supports ☐ does not support the change.
Comments: No comments at this time - we understand the need to discontinue offering these courses.	

Department Head Signature: Cathi McMahan

Date: 2/25/21

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department ☒ supports ☐ does not support the change.
MATH	
Comments:	

Department Head Signature: Jessica L. Myers

Date: 2-25-21

PROPOSAL TABLED

ARKANSAS TECH UNIVERSITY

RECEIVED

SEP 16 2021

Registrar's Office

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
BSBA – Management Accelerated Bachelor's Plus MBA Degree	7/15/2021

Title	Signature	Date
Department Head		
Dean	Kirk Russell Jones	7/14/2021
Assessment	Christi Austin	7.19.21
Registrar	Tammy Cleaver	9/16/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
BSBA – Management Accelerated Bachelor's Plus MBA Degree

Outline change in program:

1. This program partners the BSBA undergraduate degree with the MBA degree.
2. A maximum of 12 graduate level credit hours can be counted towards both the BSBA degree in Management and the MBA degree.
3. Four graduate level courses can be used to replace four upper-division undergraduate courses as follows:
    - BDA 6203 can replace MGMT 4073
    - MGMT 6203 can replace MGMT 4103
    - MGMT 6103 can replace MGMT 4213
    - MKT 6113 can replace MKT 4103
4. Students may apply in their junior year for admission into the Management Accelerated Bachelor's Plus MBA Degree; however, they must have completed a minimum of 90 credit hours towards the Bachelor degree and have earned a minimum GPA of 3.0 or higher in those undergraduate courses to be eligible. Once approved, the student will be conditionally admitted into the MBA program.
5. Only courses with the grade of B or better will be eligible for graduate credit
6. All other general requirements for both the BSBA-Management and the MBA must be satisfied
7. Upon completion of the BSBA-Management degree requirements, students will be accepted into the Graduate College at a status consistent with the Graduate College and individual program guidelines.
8. Students must meet all of the graduate requirements for dual credit courses to receive graduate credit for these courses to contribute toward their MBA degree.
9. Students in this program will apply for graduation with the BSBA-Management degree on the schedule delineated in the Undergraduate Catalog and will receive their bachelor's degree upon completion of all of the requirements for the undergraduate degree. The MBA degree will be awarded when the student has completed the remaining requirements for the graduate degree.

What impact will the change have on staffing, on other programs and space allocation?

No additional staffing will be required and there will be no impact on other programs or space allocation.

Answer the following Assessment questions:

a. How does the program change align with the university mission?

   This program contributes to student success by offering more opportunities for students to access an MBA degree. By providing students the opportunity to have completed 40% of the MBA requirements upon graduation with their undergraduate degree, this increases the "stackability" of degrees in the College of Business and strongly encourages students to complete the remainder of their MBA.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

   Not applicable

c. What is the rationale for this program change?

1. How will the program change impact learning for students enrolled in this program?

   For students who are contemplating graduate studies, this program provides them the opportunity to receive 12 hours of graduate credit without delaying their undergraduate studies. This program also provides the student the opportunity to receive graduate credit while utilizing their current undergraduate financial aid.

2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

   As this is a new type of program at ATU, no assessment evidence currently exists.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

   Arkansas State University-Jonesboro (ASUJ) currently offers a similar program within the Neil Griffin College of Business. ASUJ allows students to receive up to 12 hours of graduate credit toward the Master of Accountancy degree while completing their BS – Accounting. In addition, AACSB has seen a tremendous growth in accelerated programs across colleges of business in the United States. It has proven to be successful in recruiting students into their respective graduate programs.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

   The program goals for the BSBA degree and the MBA degree have tremendous overlap. Both programs have the following goals: Oral Communication, Written Communication, Problem Solving, Ethics, and Business Acumen. The difference between the undergraduate and graduate programs is the level of Bloom's Taxonomy which is expected. Since the MBA program expects a 'higher' level and the artifacts in this program will be assessed at the graduate level, students in this program will be expected to meet the higher performance standard.

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in_____ (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add/Change: Delete: Total Hours:	Sophomore Spring Semester Add/Change: Delete: Total Hours:
Junior Fall Semester Add/Change: Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Delete: Total Hours:

PROPOSAL TABLED

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Management and Marketing	2/20/2021

Title	Signature	Date
Department Head Kevin Mason (Interim)		2/20/2021
Dean Russ Jones	Kirk Russell Jones	7/19/2021
Assessment Christine Austin		9.27.21
Registrar		9/27/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
The current Program is Marketing Major- Digital Marketing Track. This proposal is to replace the track with a Digital Marketing major.

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

1. The Management and Marketing Department proposed to delete the Marketing major tracks (concentrations) of Marketing Strategy and Digital Marketing and replace them with the proposed Digital Marketing major.

2. Delete COMM 2173 Business & Professional Speaking
and Add COMM 2173 or COMM 2003

3. Change: ACCT 2003/2000 to ACCT 2004
and Reduce ~~6~~ 5 hour General Elective to ~~5~~ 3 hour Elective

4. Delete: BUAD 2053 Business Statistics
and Add STAT 2163 or PSY/SOC 2053

5. Delete: BUAD 3023 Business Communications
and Add ENGL 2053 Technical Writing

6. ~~Delete College of Business Elective 3000-4000 3 hours~~
~~and~~ Add BDA 3013 Business Spreadsheet Modeling

7. Delete College of Business Elective 3000-4000 ~~3 hours~~ 6 hours
and Add MKT Elective 3000-4000 3 hours

What impact will the change have on staffing, on other programs and space allocation?

This proposal will reduce the existing demand on Marketing faculty resources.

Answer the following Assessment questions:

a. How does the program change align with the university mission?

   This proposal fits with the mission in that the new major prepares students for success in the 21st century.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

   Not applicable.

c. What is the rationale for this program change?
   1. How will the program change impact learning for students enrolled in this program?

      Due to financial resource restrictions, the MGMK department needs to streamline course offerings to be more efficient in course offerings.

   2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

      N/A

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

   This proposal aligns our marketing major with changes in the marketing discipline that have occurred with advances in technology and information analytics.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

   Attached

In the attached matrix, include requested changes in the matrix are as compared to the 2020/21 catalog.

Curriculum Matrix for Catalog Curriculum in _Digital Marketing Track_ (New Major: Digital Marketing)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Change COMM 2173 (Business & Professional Speaking) to COMM2173 (Business & Professional Speaking) or COMM 2003 (Public Speaking) Add: Science with Lab[1] Delete: Fine Arts & Humanities[1] Total Hours: Increase from 15 to 16
Sophomore Fall Semester Add: Fine Arts & Humanities[1] Change: ACCT 2003/2000 to ACCT 2004 Delete: Science with Lab (4 hours) Total Hours:	Sophomore Spring Semester Add STAT 2163 (Introduction to Statistical Methods) **or** PSY/SOC 2053 (Statistics for Behavior Sciences) Delete BUAD 2053 (Business Statistics) Total Hours:
Junior Fall Semester Add ENGL 2053 (Technical Writing) Add BDA 3013 (Business Spreadsheet Modeling) Delete BUAD 3023 (Business Communications) Delete College of Business Elective (3000-4000) Total Hours:	Junior Spring Semester Add MKT Elective (3000-4000) Delete College of Business Elective (3000-4000) Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Change/Reduce General Electives from 6 to 5 hours. Delete: Total Hours: Reduce total hours from 12 hours to 11 hours

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

Attached are approvals from the ACCT/FIN, ENGL, MATH, Behavioral Sciences, HA and COMS departments.

MEMO

From: Kevin Mason (Interim MGMK Department Head)

Re: Phasing out existing Marketing Tracks and replace them with a Digital Marketing Major

The Management and Marketing Department will discontinue offering the Marketing major tracks (concentrations) of Marketing Strategy and Digital Marketing and replace them with the proposed Digital Marketing major. Exiting marketing majors will be encouraged to change their major to the new Digital Marketing major as the current Marketing Tracks will be phased it out by the end of May 2025. The department asks that the existing Marketing major tracks be deleted from the 2022/23 catalog.

Note from Tammy (1/25/2021) about how to proceed with this.

You don't want to create a new program proposal. It is easier to complete the Program Change form for each program. You can take the Business Management Track to update the curriculum matrix for Management and the Marketing Strategy Track to update the matrix for Marketing. You will just need a memo to delete the programs with the teach out timeline.

Academic Affairs will submit the Letter of Notification to ADHE. Thanks.

Tammy

College of Business AOL Process

Overview of the College of Business Assessment Process

1. During the Fall 2018 semester the faculty helped create the following five rubrics for the first four COB learning objectives:

a. Oral Communication – summary data to be collected in MGMT 4083

b. Written Communication – summary data to be collected in MGMT 4083; formative data in BLAW 2033

c. Technology – summary data to be collected in MGMT 4013 & ACCT 3023

d. Professionalism – summary data to be collected in BUAD 3023 (using multiple volunteers)

e. Ethics – summary data to be collected in MGMT 3123.

2. Foundational business knowledge has been assessed using the ETS Major Field Test. During the Spring 2019 semester, the faculty developed an in-house Senior Business Exam. This exam will be administered along with the ETS test for the Spring 2019 and Fall 2019 semesters to ensure the reliability of the exam. After that, only the Senior Business Exam will be administered. Formative data will also be collected in the individual business core classes.

3. The Director of Assessment's office will compile all data collected from the rubrics and the Senior Business Exam and will produce reports/charts showing the results. These will be shared with all members of the AOL/Curriculum Committee. The designated department representative on the committee will then discuss the results with his/her department to determine any corrective actions that are determined to be needed. Any curriculum proposals will be submitted to the committee; teaching techniques, change in textbooks, etc., will be implemented by the appropriate faculty.

Master Schedule of Activities to meet the Mission of the ATU College of Business

College of Business

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
AACSB	Visit	Update[1]									Visit			
Mission Statement			Revise[2]										Revise	
Strategic Plan	Update		Assess/Revise[2]		Implement		Update		Update		Update		Assess/Revise	
Internal Program Review	BDA		ACCT		MKT		MGMT		FIN, ECON, MBA		BDA		ACCT	

[1] - AACSB will be implementing new standards for accreditation

[2] - ATU will begin university strategic plan, mission, and vision update; COB will do the same to ensure congruence

Undergraduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Written Comm	MGMT 4083/ BLAW 2033		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083	
Oral Comm	BLAW 2033	MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083
Ethics			MGMT 3123				MGMT 3123				MGMT 3123			
Professionalism	BUAD 3023				BUAD 3023				BUAD 3023				BUAD 3023	
Technology		MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023
ETS*	X													
Senior Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Senior Business Exam

Graduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Ethics			FIN 6103				FIN 6103				FIN 6103			
Oral Comm				MGMT 6903				MGMT 6903				MGMT 6903		
Technology			BDA 6203				BDA 6203				BDA 6203			
Written Comm	MGMT 6103				MGMT 6103				MGMT 6103				MGMT 6103	
ETS*	X	X	X											
Graduate Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Graduate Business Exam

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department ☑ supports ☐ does not support the change.
Accounting, Finance and Economics	
Comments:	

Department Head Signature: Tracy Cole

Date: 3-4-21

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Behavioral Sciences	This department does **NOT** support the change.
Comments: There are NO spaces available in our BEHV statistics classes. If BUSN students load into Behavioral Science stats classes and fill them up, it will delay the progress, and likely the graduation, of Behavioral Sciences students. If we had extra capacity in those classes, we would have already cut them and used the faculty in other content classes, where they are very much needed.	

Department Head Signature: _

Date: 2/25/2021

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected: Computer and Information Science	This department ☒ supports ☐ does not support the change.
Comments:	

Department Head Signature: Jerry Wood

Date: 2-24-2021

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department
English and World Languages	√ supports ☐ does not support the change.
Comments:	
The Department of English and World Languages will provide seats for MGMK students who need ENGL 2053.	

Department Head Signature: _____

Date: February 25, 2021

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department
Hospitality Administration	☒ supports ☐ does not support the change.
Comments: No comments at this time - we understand the need to discontinue offering these courses.	

Department Head Signature: Cathi McMahan

Date: 2/25/21

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department ☒ supports ☐ does not support the change.
MATH	
Comments:	

Department Head Signature: Jessie L. Myers

Date: 2-25-21

PROPOSAL TABLED

ARKANSAS TECH UNIVERSITY

RECEIVED
SEP 16 2021
Registrar's Office

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
BSBA – Digital Marketing Accelerated Bachelor's Plus MBA Degree	7/15/2021

Title	Signature	Date
Department Head		
Dean	Kirk Russell Jones	7/14/2021
Assessment	Christi Austin	7.19.21
Registrar	Tammy Weaver	9/26/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
BSBA – Digital Marketing Accelerated Bachelor's Plus MBA Degree

Outline change in program:

1. This program partners the BSBA undergraduate degree with the MBA degree.
2. A maximum of 12 graduate level credit hours can be counted towards both the BSBA degree in Digital Marketing and the MBA degree.
3. Four graduate level courses can be used to replace four upper-division undergraduate courses as follows:
    - BDA 6203 can replace MGMT 4073
    - MGMT 6203 can replace MGMT 4103
    - MKT 6103 can replace MKT 4013
    - MKT 6113 can replace MKT 4103
4. Students may apply in their junior year for admission into the Digital Marketing Accelerated Bachelor's Plus MBA Degree; however, they must have completed a minimum of 90 credit hours towards the Bachelor degree and have earned a minimum GPA of 3.0 or higher in those undergraduate courses to be eligible. Once approved, the student will be conditionally admitted into the MBA program.
5. Only courses with the grade of B or better will be eligible for graduate credit
6. All other general requirements for both the BSBA-Digital Marketing and the MBA must be satisfied
7. Upon completion of the BSBA-Digital Marketing degree requirements, students will be accepted into the Graduate College at a status consistent with the Graduate College and individual program guidelines.
8. Students must meet all of the graduate requirements for dual credit courses to receive graduate credit for these courses to contribute toward their MBA degree.
9. Students in this program will apply for graduation with the BSBA-Digital Marketing degree on the schedule delineated in the Undergraduate Catalog and will receive their bachelor's degree upon completion of all of the requirements for the undergraduate degree. The MBA degree will be awarded when the student has completed the remaining requirements for the graduate degree.

What impact will the change have on staffing, on other programs and space allocation?

No additional staffing will be required and there will be no impact on other programs or space allocation.

Answer the following Assessment questions:

a. How does the program change align with the university mission?

This program contributes to student success by offering more opportunities for students to access an MBA degree. By providing students the opportunity to have completed 40% of the MBA requirements upon graduation with their undergraduate degree, this increases the "stackability" of degrees in the College of Business and strongly encourages students to complete the remainder of their MBA.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

Not applicable

c. What is the rationale for this program change?

1. How will the program change impact learning for students enrolled in this program?

For students who are contemplating graduate studies, this program provides them the opportunity to receive 12 hours of graduate credit without delaying their undergraduate studies. This program also provides the student the opportunity to receive graduate credit while utilizing their current undergraduate financial aid.

2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

As this is a new type of program at ATU, no assessment evidence currently exists.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

Arkansas State University-Jonesboro (ASUJ) currently offers a similar program within the Neil Griffin College of Business. ASUJ allows students to receive up to 12 hours of graduate credit toward the Master of Accountancy degree while completing their BS – Accounting. In addition, AACSB has seen a tremendous growth in accelerated programs across colleges of business in the United States. It has proven to be successful in recruiting students into their respective graduate programs.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

The program goals for the BSBA degree and the MBA degree have tremendous overlap. Both programs have the following goals: Oral Communication, Written Communication, Problem Solving, Ethics, and Business Acumen. The difference between the undergraduate and graduate programs is the level of Bloom's Taxonomy which is expected. Since the MBA program expects a 'higher' level and the artifacts in this program will be assessed at the graduate level, students in this program will be expected to meet the higher performance standard.

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in_____ (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add/Change: Delete: Total Hours:	Sophomore Spring Semester Add/Change: Delete: Total Hours:
Junior Fall Semester Add/Change: Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Delete: Total Hours:

PROPOSAL TABLED

RECEIVED
JUL 22 2021
Registrar's Office

ARKANSAS TECH UNIVERSITY

RECEIVED
SEP 16 2021
Registrar's Office

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Management and Marketing	4-20-21

Title	Signature	Date
Department Head **Kevin Mason**		
Dean **Russ Jones**		7/21/21
Assessment		7/21/21
Registrar		8/27/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Associate of Business Administration

9-16-21

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)
Change ACCT 2003 to ACCT 2004. Delete ACCT 2000. Change BUAD 2053 to STAT 2173 or PSY/SOC 2053. Change Electives from 3 hours to 2 hours. Change COMM 2173 to (COMM 2003 or COMM 2173)

What impact will the change have on staffing, on other programs and space allocation?
This proposal will reduce the existing demand on BDA faculty resources.

Answer the following Assessment questions:

a. How does the program change align with the university mission?
This proposal fits with the mission in that the new major prepares students for success in the 21st century.
b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.
Not applicable.
c. What is the rationale for this program change?
    1. How will the program change impact learning for students enrolled in this program?
Due to financial resource restrictions, the MGMK department needs to streamline course offerings to be more efficient in course offerings.
    2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.
Not applicable.
b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.
This proposal improves efficiency without otherwise impacting our ABA major.
c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)
Attached

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.
Attached

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Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

Change ACCT 2003 to ACCT 2004. Delete ACCT 2000. Change BUAD 2053 to STAT ~~2173~~ 2163 or PSY/SOC 2053. Change Electives from ~~2~~ 3 hours to ~~1~~ 2 hour.

What impact will the change have on staffing, on other programs and space allocation?

This proposal will reduce the existing demand on BDA faculty resources.

Answer the following Assessment questions:

a. How does the program change align with the university mission?
This proposal fits with the mission in that the new major prepares students for success in the 21st century.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.
Not applicable.

c. What is the rationale for this program change?
   1. How will the program change impact learning for students enrolled in this program?
   Due to financial resource restrictions, the MGMK department needs to streamline course offerings to be more efficient in course offerings.
   2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

Not applicable.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.
This proposal improves efficiency without otherwise impacting our ABA major.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)
Attached

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

Attached

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in_____ (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Change: **COMM 2173 to (COMM 2003 or COMM 2173)** Delete: Total Hours:
Sophomore Fall Semester Add: **STAT 2163 (Introduction to Statistical Methods) or PSY/SOC 2053** Change: **ACCT 2003/2000 to ACCT 2004** Delete: **BUAD 2053 (Business Statistics)** Total Hours: **Increase total hours from 15 to 16.**	Sophomore Spring Semester Change: **Electives from 2 to 1 hour** Delete: Total Hours: **Decrease total hours from 15 to 14.**

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College of Business AOL Process

Overview of the College of Business Assessment Process

1. During the Fall 2018 semester the faculty helped create the following five rubrics for the first four COB learning objectives:

a. Oral Communication – summary data to be collected in MGMT 4083

b. Written Communication – summary data to be collected in MGMT 4083; formative data in BLAW 2033

c. Technology – summary data to be collected in MGMT 4013 & ACCT 3023

d. Professionalism – summary data to be collected in BUAD 3023 (using multiple volunteers)

e. Ethics – summary data to be collected in MGMT 3123.

2. Foundational business knowledge has been assessed using the ETS Major Field Test. During the Spring 2019 semester, the faculty developed an in-house Senior Business Exam. This exam will be administered along with the ETS test for the Spring 2019 and Fall 2019 semesters to ensure the reliability of the exam. After that, only the Senior Business Exam will be administered. Formative data will also be collected in the individual business core classes.

3. The Director of Assessment's office will compile all data collected from the rubrics and the Senior Business Exam and will produce reports/charts showing the results. These will be shared with all members of the AOL/Curriculum Committee. The designated department representative on the committee will then discuss the results with his/her department to determine any corrective actions that are determined to be needed. Any curriculum proposals will be submitted to the committee; teaching techniques, change in textbooks, etc., will be implemented by the appropriate faculty.

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Master Schedule of Activities to meet the Mission of the ATU College of Business

College of Business

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
AACSB	Visit	Update[1]									Visit			
Mission Statement			Revise[2]										Revise	
Strategic Plan	Update		Assess/Revise[2]		Implement		Update		Update		Update		Assess/Revise	
Internal Program Review	BDA		ACCT		MKT		MGMT		FIN, ECON, MBA		BDA		ACCT	

[1] - AACSB will be implementing new standards for accreditation

[2] - ATU will begin university strategic plan, mission, and vision update; COB will do the same to ensure congruence

Undergraduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Written Comm	MGMT 4083/ BLAW 2033		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083	
Oral Comm	BLAW 2033	MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083		MGMT 4083
Ethics			MGMT 3123				MGMT 3123				MGMT 3123			
Professionalism	BUAD 3023				BUAD 3023				BUAD 3023				BUAD 3023	
Technology		MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023				MGMT 4013/ AIS 3023
ETS*	X													
Senior Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Senior Business Exam

Graduate

	F2019	SP2020	F2020	SP2021	F2021	SP2022	F2022	SP2023	F2023	SP2024	F2024	SP2025	F2025	SP2026
Ethics			FIN 6103				FIN 6103				FIN 6103			
Oral Comm				MGMT 6903				MGMT 6903				MGMT 6903		
Technology			BDA 6203				BDA 6203				BDA 6203			
Written Comm	MGMT 6103				MGMT 6103				MGMT 6103				MGMT 6103	
ETS*	X	X	X											
Graduate Business Exam	X	X	X	X	X	X	X	X	X	X	X	X	X	X

* - The ETS will be replaced with the college's own Graduate Business Exam

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Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department does **NOT** support the change.
Behavioral Sciences	

Comments:

There are NO spaces available in our BEHV statistics classes. If BUSN students load into Behavioral Science stats classes and fill them up, it will delay the progress, and likely the graduation, of Behavioral Sciences students. If we had extra capacity in those classes, we would have already cut them and used the faculty in other content classes, where they are very much needed.

Department Head Signature: David Ward

Date: 2/25/2021

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Registrar's Office

Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department √ supports ☐ does not support the change.
English and World Languages	
Comments: The Department of English and World Languages will provide seats for MGMK students who need ENGL 2053.	

Department Head Signature: Carl Bunderson

Date: February 25, 2021

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Arkansas Tech University
DEPARTMENTAL SUPPORT FORM

This form must be completed for every department affected by the course change.

Department Affected:	This department ☒ supports ☐ does not support the change.
MATH	
Comments:	

Department Head Signature: Jennifer L. Myers

Date: 2-25-21

PROPOSAL TABLED

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Registrars Office

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Management and Marketing	4-19-21

Title	Signature	Date
Department Head Kevin Mason	Kevin Mason	04/19/2021
Dean Russ Jones	Kirk Russell Jones	4/19/2021
Assessment		7/21/21
Registrar	Tammy Treadaway	8/27/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Minor in Business and Entrepreneurship

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Registrar's Office

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

In the list of required courses for this minor:
(1) Delete ACCT 2003 Accounting Principles I
(2) Add "ACCT 2004 Accounting Principles I or ACCT 2033 Accounting for Non-Business Majors"

What impact will the change have on staffing, on other programs and space allocation?

None

Answer the following Assessment questions:

a. How does the program change align with the university mission? ***This change will promote student success by making the minor in Business and Entrepreneurship more accessible to students in majors outside of the College of Business by allowing them some flexibility in meeting the accounting course requirement.***

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. ***Not applicable.***
What is the rationale for this program change? ***See a. above.***
   1. How will the program change impact learning for students enrolled in this program?
   2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions. ***Not applicable to minors.***

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.) ***Not applicable to minors.***

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.
Not applicable to minors.

PROPOSAL TABLED

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Registrar's Office

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Management and Marketing	4-19-21

Title	Signature	Date
Department Head Kevin Mason	Kevin Mason	04/19/2021
Dean Russ Jones	Kirk Russell Jones	4/19/2021
Assessment		7/21/21
Registrar	Tammy Weaver	8/27/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Minor in General Business

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Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

(1) Change the name of the minor from "General Business" to "Business Administration"
(2) In the list of required courses for this minor:
  (a) Delete ACCT 2003 Accounting Principles I
  (b) Add "ACCT 2004 Accounting Principles I or ACCT 2033 Accounting for Non-Business Majors"

What impact will the change have on staffing, on other programs and space allocation?

None

Answer the following Assessment questions:

a. How does the program change align with the university mission? ***This change will promote student success by making the minor more accessible to students in majors outside of the College of Business by allowing them some flexibility in meeting the accounting course requirement. Changing the name from General Business to Business Administration will more accurately reflect the content and purpose of the minor.***

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. ***Not applicable.***
What is the rationale for this program change? ***See a. above.***
  1. How will the program change impact learning for students enrolled in this program?
  2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions. ***Not applicable to minors.***

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.) ***Not applicable to minors.***

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.
Not applicable to minors.

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Agriculture	**7/20/21**

Title	Signature	Date
Department Head	Marshall Stafford	7/23/21
Dean	Judy L Craft	7/23/2021
Assessment	Christi Austin	7.26.21
Registrar	Tammy Weaver	9/12/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Agriculture Business

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

(1) Delete ACCT 2003/2000 and

(2) Add ACCT 2033

What impact will the change have on staffing, on other programs and space allocation?

None

Answer the following Assessment questions:

a. How does the program change align with the university mission?

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. **Not Applicable**

c. What is the rationale for this program change? **The Accounting, Finance and Economics Department is changing the three-credit hour ACCT 2003 with a 0-credit lab (ACCT 2000) into a four-credit hour course (ACCT 2004) to ensure students receive credit for the lab. This course is being added for programs outside of the CoB that do not have room in their program for the revised four-credit hour course (ACCT 2004).**

1. How will the program change impact learning for students enrolled in this program? **No impacts on student learning are anticipated with this change.**
2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.) **This course is not used in the departmental assessment process.**

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in Agricultural Business (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add: ACCT 2033 Delete: ACCT 2003/2000 Total Hours: 16	Sophomore Spring Semester Add/Change: Delete: Total Hours:
Junior Fall Semester Add/Change: Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Delete: Total Hours:

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Agriculture	**7/20/21**

Title	Signature	Date
Department Head	Marshall Stafford	7/23/21
Dean	Judy L Craft	7/23/2021
Assessment	Christi Austin	7.26.21
Registrar	Tammy Weaver	9/17/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Agriculture Business – Animal Science Option

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

(1) Delete ACCT 2003/2000 and

(2) Add ACCT 2033

What impact will the change have on staffing, on other programs and space allocation?

None

Answer the following Assessment questions:

a. How does the program change align with the university mission?

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. **Not Applicable**

c. What is the rationale for this program change? **The Accounting, Finance and Economics Department is changing the three-credit hour ACCT 2003 with a 0-credit lab (ACCT 2000) into a four-credit hour course (ACCT 2004) to ensure students receive credit for the lab. This course is being added for programs outside of the CoB that do not have room in their program for the revised four-credit hour course (ACCT 2004).**

1. How will the program change impact learning for students enrolled in this program? **No impacts on student learning are anticipated with this change.**
2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.) **This course is not used in the departmental assessment process.**

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in Agricultural Business (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add: ACCT 2033 Delete: ACCT 2003/2000 Total Hours: 16	Sophomore Spring Semester Add/Change: Delete: Total Hours:
Junior Fall Semester Add/Change: Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Delete: Total Hours:

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Agriculture	**7/20/21**

Title	Signature	Date
Department Head	Marshall Sufford	7/23/21
Dean	Judy L Cryock	7/23/2021
Assessment	Christi Austin	7.26.21
Registrar	Tammy Lewanne	9/12/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Agriculture Business – Horticulture Option

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

(1) Delete ACCT 2003/2000 and

(2) Add ACCT 2033

What impact will the change have on staffing, on other programs and space allocation?

None

Answer the following Assessment questions:

a. How does the program change align with the university mission?

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. **Not Applicable**

c. What is the rationale for this program change? **The Accounting, Finance and Economics Department is changing the three-credit hour ACCT 2003 with a 0-credit lab (ACCT 2000) into a four-credit hour course (ACCT 2004) to ensure students receive credit for the lab. This course is being added for programs outside of the CoB that do not have room in their program for the revised four-credit hour course (ACCT 2004).**

1. How will the program change impact learning for students enrolled in this program? **No impacts on student learning are anticipated with this change.**
2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.) **This course is not used in the departmental assessment process.**

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in Agricultural Business (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add: ACCT 2033 Delete: ACCT 2003/2000 Total Hours: 16	Sophomore Spring Semester Add/Change: Delete: Total Hours:
Junior Fall Semester Add/Change: Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Delete: Total Hours:

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Agriculture	**7/20/21**

Title	Signature	Date
Department Head	Marshall Stafford	7/23/21
Dean	Judy L Craft	7/23/2021
Assessment	Christi Austin	7.26.21
Registrar	Tammy Weaver	9/2/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Agriculture Business – Pre-Veterinary Option

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

(1) Delete ACCT 2003/2000 and

(2) Add ACCT 2033

What impact will the change have on staffing, on other programs and space allocation?

None

Answer the following Assessment questions:

a. How does the program change align with the university mission?

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. **Not Applicable**

c. What is the rationale for this program change? **The Accounting, Finance and Economics Department is changing the three-credit hour ACCT 2003 with a 0-credit lab (ACCT 2000) into a four-credit hour course (ACCT 2004) to ensure students receive credit for the lab. This course is being added for programs outside of the CoB that do not have room in their program for the revised four-credit hour course (ACCT 2004).**

1. How will the program change impact learning for students enrolled in this program? **No impacts on student learning are anticipated with this change.**
2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.) **This course is not used in the departmental assessment process.**

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in Agricultural Business (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add: Delete: Total Hours:	Sophomore Spring Semester Add/Change: ACCT 2033 Delete: ACCT 2003/2000 Total Hours: 17
Junior Fall Semester Add/Change: Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Delete: Total Hours:

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Parks, Recreation, and Hospitality Administration	**7/20/21**

Title	Signature	Date
Department Head	Marshall Stafford	7/23/21
Dean	Judy L Cypert	7/23/2021
Assessment	Christi Austin	7.26.21
Registrar	Tammy Lusacher	9/17/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Hospitality Administration – Event Management Emphasis

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

(1) Delete ACCT 2003/2000 and

(2) Add ACCT 2033

What impact will the change have on staffing, on other programs and space allocation?

None

Answer the following Assessment questions:

a. How does the program change align with the university mission?

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. **Not Applicable**

c. What is the rationale for this program change? **The Accounting, Finance and Economics Department is changing the three-credit hour ACCT 2003 with a 0-credit lab (ACCT 2000) into a four-credit hour course (ACCT 2004) to ensure students receive credit for the lab. This course is being added for programs outside of the CoB that do not have room in their program for the revised four-credit hour course (ACCT 2004).**

1. How will the program change impact learning for students enrolled in this program? **No impacts on student learning are anticipated with this change.**
2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.) **This course is not used in the departmental assessment process.**

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in Hospitality Administration - Event Management Emphasis	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add: Delete: Total Hours:	Sophomore Spring Semester Add/Change: ACCT 2033 Delete: ACCT 2003/2000 Total Hours: 16
Junior Fall Semester Add/Change: Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Delete: Total Hours:

ARKANSAS TECH UNIVERSITY

REQUEST FOR COURSE ADDITION

Department Initiating Proposal	Date
Parks, Recreation, & Hospitality Administration	**6/16/2021**

Title	Signature	Date
Department Head Dr. Cathi McMahan	Cathi McMahan	6/29/21
Dean: Dr. Judy Cezeaux	Judy L Cezeaux	6/30/2021
Assessment Dr. Christine Austin	Christi Austin	7.12.21
Registrar	Tammy Weaver	9/12/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Course Subject: (e.g., ACCT, ENGL)	Course Number: (e.g., 1003)	Effective Term: Fall
RP	**2023**	☐ Spring ☒ **Summer I**
Official Catalog Title: (If official title exceeds 30 characters, indicate Banner Title below)		
Trail Planning and Management		
Banner Title: (limited to 30 characters, including spaces, capitalize all letters — this will display on the transcript)		
Trail Planning and Management		

Will this course be cross-listed with another existing course? If so, list course subject and number.

☐ Yes ☒ No

Will this course be cross-listed with a course currently not in the undergraduate or graduate catalog?

If so, list course subject and number. ☐ Yes ☒ No

Is this course repeatable for additional earned hours? ☐ Yes ☒ No How many total hours?

Grading: ☒ Standard Letter ☐ P/F ☐ Other

Mode of Instruction (check appropriate box):

☐ 01 Lecture	☐ 02 Lecture/Laboratory	☐ 03 Laboratory only
☐ 05 Practice Teaching	☐ 06 Internship/Practicum	☐ 07 Apprenticeship/Externship
☐ 08 Independent Study	☐ 09 Readings	☐ 10 Special Topics
☐ 12 Individual Lessons	☒ 13 Applied Instruction	☐ 16 Studio Course
☐ 17 Dissertation	☐ 18 Activity Course	☐ 19 Seminar ☐ 98 Other

Does this course require a fee? ☒ Yes ☐ No How Much? 50 Select Fee Type

If selected other list fee type:

☑ Elective ☐ Major ☐ Minor

(If major or minor course, you must complete the Request for Program Change form to add course to program.)

If course is required by major/minor, how frequently will course be offered?

Will this course require any special resources such as unusual maintenance costs, library resources, special software, distance learning equipment, etc.?

Will this course require a special classroom (computer lab, smart classroom, or laboratory)?

Answer the following Assessment questions:

a. If this course is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

b. If this course is required for the major or minor, complete the following.
   1. Provide the program level learning outcome(s) it addresses.
   2. Provide tool or measure directly linked to each program learning outcome. (How will student learning in this outcome be measured?)

c. What is the rationale for adding this course? What evidence demonstrates this need?
   Trails are an important aspect for outdoor recreation in Arkansas. With numerous new trails being installed, there is a need for professionals who know how to be stewards of trails. The KSAs from these course will be useful for land management agencies at the federal, state, and local levels.

For the proposed course, attach a syllabus in Word format that includes: **(Items a. through d. should be entered as they should appear in the catalog)**

a. Course subject
b. Course number
c. Catalog course title
d. Catalog description
    1. Arkansas Course Transfer System (ACTS) course number, if applicable
    2. Cross-listing
    3. Offered (e.g., Fall only, Spring only. Do not enter if offer course fall and spring)
    4. Prerequisites
    5. Co-requisites
    6. Description
    7. Notes (e.g., information not in description such as course may be repeated for credit)
    8. Contact Hours if different than lecture (e.g., Lecture three hours, laboratory three hours)
    9. Fees (e.g., $36 art fee)
e. Section for Name of instructor, office hours, contact information (telephone, email)
f. Text required for course
g. Bibliography (supplemental reading list)
h. Justification/rationale for the course
i. Course objectives
j. Description of how course meets general education objectives (courses included in the general education component should show how the course meets one or more of the objectives contained in General Education Objectives listed in undergraduate catalog)
k. Assessment methods (include grading policy with specific equivalents for A, B, C)
l. Policy on absences, cheating, plagiarism, etc.
m. Course content (outline of material to be covered in course).

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

ARKANSAS TECH UNIVERSITY
DEPARTMENT OF PARKS, RECREATION & HOSPITALITY ADMINISTRATION

Trail Planning & Management
RP 2023 M01– Spring 2021
Wednesday 3:00 P.M. – 5:50 P.M. Williamson 125

Dr. Jay Post

404 North El Paso room 110 (off-campus)
479-968-0386
jpost5@atu.edu

Online Office Hours
https://atu.webex.com/meet/jpost5
Monday 10am – 1pm
Wednesday 10am – 1pm
or by appointment

Required Texts

No textbook. All required readings will be links in Blackboard.

Course Description

An experiential learning course on planning and design process for the evolution of trails.

Recreation and Park Administration Mission Statement

The mission of the Recreation and Park Administration Program is to educate Recreation and Park professionals for self, community, and society.

The Recreation and Park Administration Program at ATU is accredited by the Council on Accreditation of Parks, Recreation, Tourism and Related Professions. Students graduating from ATU are qualified to sit for the Certified Park and Recreation Professional exam immediately following completion of the baccalaureate degree in Recreation and Park Administration. ATU has the only Recreation and Park Program in Arkansas nationally accredited by COAPRT.

Council on Accreditation
Parks, Recreation, Tourism and Related Professions

Course Objectives

- Describe the types and current trends of trails
- Create a maintenance plan for an existing trail
- Develop hands-on trail construction/maintenance techniques
- Create a trail proposal/presentation for a new trail

Evaluation and Grading

Quizzes

- There will be four (4) individual quizzes. The quizzes will be submitted online on Blackboard.
- There will be four (4) team quizzes. The quizzes will be submitted online on Blackboard.

Projects & Assignments

- Discussion Board (Individual)
- Case Studies (Team)
- Community Meetings (Individual)
- Mtn Bike Park Presentation (Team)
- Park Clean Up (Team)
- Service Projects (Team)
- Peer Evaluations

See descriptions and rubrics on Blackboard for more details.

Attendance and participation

- Students are required to attend and participate in all classes (in person and virtual). Daily attendance will be taken.
- Students should notify the instructor ***prior to the class*** if they are unable to attend.
- To get attendance points virtually, must have medical/ATU documentation.
- Virtual attendance will be via WebEx https://atu.webex.com/meet/jpost5
- Lateness will not be tolerated; more than five minutes late, absence will accrue.
- Attendance is more than a warm body in a seat.
- All students are expected to participate is class discussions and Blackboard Discussion Boards. Discussions not related to class should wait until after class.

Bonus Assignment (up to 50 points)

- Finding research (discuss with instructor first about the topic) (+10pts)
- Camp Stormy – Cabin Counselor (+50pts)
- Attend a professional conference (state +10pts or national/regional +20) (additional +5pts for networking with 5 professionals) (additional +5pts for volunteering)
- Complete a professional certification (not part of a college course) (+25pts)

Grading Policy and Method

Papers cannot be emailed or handed in as a hard copy. ***Word documents*** are due online in Blackboard on the date identified in this syllabus. Projects will be turned in by midnight of the due date.

Individual Quizzes	5pts each	20 points
Team Quizzes	5pts each	20 points
Discussion Board		60 points
Case Studies	10pts each	50 points
Community Meetings		25 points
Park Clean Up		25 points
Trail Service Projects	25pts each	50 points
Mtn Bike Park Presentation		100 points
Peer Evaluations		100 points
Attendance (2.5pts each day)		50 points
	Total	**500 points**

Grading:

A	450-500 of total points
B	400-449 of total points
C	350-399 of total points
D	300-349 of total points
F	000-299 of total points

Late Policy

Late assignments will not be accepted past 7 days of the due date *(Extreme circumstance must be discussed with the instructor).* Late assignments will have the following deductions:

Up to 1 day late	10%
2 to 3 days late	30%
4 to 7 days late	50%
Above 7 days late	NOT ACCEPTED

No assignments will be accepted during Pre-Finals Week or beyond.

Format of the Course

This course is a mixed-method course. We will be meeting in class on Wednesdays. If the university goes completely online, we will continue to meet synchronously on Mondays and Wednesdays. Be sure to stay connected the whole semester. Do not to get off schedule.

Writing Skills and Style

Effective writing skills are important to any profession, attention will be paid to the actual writing components of your papers. All written work is to be professionally presented with attention paid to elements such as structure, clarity, grammar and spelling. You should give yourself time and opportunities to revise your work. All papers should be 1" margins all around, font New Times Roman size 12, and double space. In addition, utilize "APA (American Psychological Association) style, 7th Edition." For more details regarding APA style, please check out http://www.apastyle.org or Publication Manual of the American Psychological Association 7th edition (ISBN 1-55798-810-2) may be purchased at the ATU Bookstore or on line. Several copies are also available at the reference desk at the ATU Pendergraft Library. The ***Writer's Handbook* 7th ed.**, found at the ATU bookstore under ENGL 1023, also has information on APA style. ***APA is the writing style adopted by the Department of Parks, Recreation and Hospitality Administration for all papers, reports and projects in all RP and HA courses.***

University Policies

Statement of Non-Discrimination and Access

Arkansas Tech University does not discriminate on the basis of color, sex, sexual orientation, gender identity, race, age, national origin, religion, veteran status, genetic information, or disability in any of practices, policies, or procedures. If you have experienced any form of discrimination or harassment, including sexual misconduct (e.g. sexual assault, sexual harassment, stalking, domestic or dating violence), we encourage you to report this to the institution.

If you report such an incident of misconduct to a faculty or staff member, they are required by law to notify Arkansas Tech University's Title IX Coordinator and share the basic facts of your experience. The Title IX Coordinator will then be available to assist you in understanding all of your options and in connecting you with all possible resources on and off campus. For more information please visit:

http://www.atu.edu/titleix/index.php

Arkansas Tech University adheres to the requirements of the Americans with Disabilities

Act in order to prevent barriers to academic accessibility. If you need an accommodation due to a disability, please contact the ATU Office of Disability Services, located in Doc Bryan Student Center, Suite 171, or visit http://www.atu.edu/disabilities/index.php

Academic Misconduct & Dishonest

https://www.atu.edu/academic-integrity/
See the new Student Handbook for the university's policies.
Do NOT cheat, plagiarize, or copy.

Academic Grievance

See the new Student Handbook for the university's policies.

Technical Assistance

Technical support, including Blackboard support, is available online, via email, or by phone: Telephone Support: (479) 968-0646; 1-866-400-8022; Email Support: campussupport@atu.edu
Additional information may be found at: https://ois.atu.edu/
Hours of Operation: 24 hours a day - 7 days a week * Excluding holidays *
When the library is closed, there will only be email and telephone support available.

Assistance

Students should seek assistance and ask for help from the instructor, the campus support center, or other university staff as appropriate.

Student Success Services

- **APEX Tutoring Center** has two locations on campus to help you with all of your courses:
    - **On-Line Tutoring** (Schedule on the website)
- The **Tutoring Schedule** will be provided in class, but can also be accessed online via the Tutoring Services website: https://www.atu.edu/tutoring/.
- **Academic Coaching**, and workshops are also available in this office.

- To find out more information contact the **Student Success Services office** at this email address: student.success@atu.edu, **by calling (479) 968-0278, or going to the office in Doc Bryan 153.**

Food/Housing

- Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to notify the instructor, if they are comfortable in doing so.
- Community resources are available for students and can be found at the following webpage: https://www.atu.edu/localresources/
- If a student finds they need more support, they are encouraged to contact the Office of the Vice President for Student Services (479-968-0238).

CLASS CONDUCT

- **Check your temperature and potential symptoms for the ATU Health Screening every day before you come to class.**
- **Wear your mask while inside all ATU buildings and crowded areas!**
- **Wash your hands!**
- **Please be on time for class.**
- **Use the seating chart.**
- **Clean your seating/work area.**
- **Have your mobile device/laptop ready for WebEx Teams to help your colleagues.**
- **Please do not text, watch videos, social media, or play games on cell phones, laptops, pads, or tablets during class.**
- **No photography in class.**
- **Please be respectful to your professor and colleagues.**
- **Please participate in the class discussions. Save off-topic conversations until the class has been dismissed.**

Check on Blackboard for Tentative Schedule

Tentative Schedule

Week	Dates	Topic	Readings	Assignment
1	13 Jan	Syllabus and Orientation Trails overview Benefits of trails		Attendance Module Syllabus Quiz
2	20	Trail types Human behavior mgmt Campus tour		Discussion Board
3	27	Informative/interpretative trails Illinois Bayou SP tour		Quiz 1 Case Study 1
4	3 Feb	Fitness/wellness Community engagement Bona Dea tour		Discussion Board
5	10	Planning and Masters Plans SWPRTI Conference		Case Study 2 Park Clean Up
6	17	Diversity, equity, and inclusion Old Post Park tour		Case Study 3 Discussion Board
7	24	Diversity, equity, and inclusion Professional Trailbuilders Conference		Quiz 2 Case Study 4
8	3 Mar	Contractors (Videos) Governor's Conference or Tourism		Discussion Board
9	10	Current trends Mt Nebo SP tour		Park Clean Up Discussion Board
10	17	Current trends		Service Project Quiz 3
11	24	Spring Break	No Class	
12	31	Trail building & maintenance		Service Project Discussion Board
13	7 Apr	Trail building & maintenance		Service Project
14	14	Trail building & maintenance		Quiz 4 Case Study 5 All Bonus Due
15	19			Mtn Bike Park Presentation
16	26	READING DAY	No Class	
Thurs	29 Apr	Watch Presentations and give feedback (Submitted by 9pm)		Peer Evaluations Presentation Feedback

Note. Tentative Schedule – Adjustments will be made to accommodate such factors as guest speakers, new materials, and unexpected circumstances. If any adjustments should be made, the adjustment will be announced in class or on blackboard in advance for students to prepare accordingly. Additional topics may be addressed as time allows.

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Parks, Recreation, and Hospitality Administration	**7/20/21**

Title	Signature	Date
Department Head	Marshall Stafford	7/23/21
Dean	Judy L Cyrus	7/23/2021
Assessment	Christi Austin	7.26.21
Registrar	Tammy Williams	9/12/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Hospitality Administration – Lodging Management Emphasis

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

(1) Delete ACCT 2003/2000 and

(2) Add ACCT 2033

What impact will the change have on staffing, on other programs and space allocation?

None

Answer the following Assessment questions:

a. How does the program change align with the university mission?

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. **Not Applicable**

c. What is the rationale for this program change? **The Accounting, Finance and Economics Department is changing the three-credit hour ACCT 2003 with a 0-credit lab (ACCT 2000) into a four-credit hour course (ACCT 2004) to ensure students receive credit for the lab. This course is being added for programs outside of the CoB that do not have room in their program for the revised four-credit hour course (ACCT 2004).**

1. How will the program change impact learning for students enrolled in this program? **No impacts on student learning are anticipated with this change.**
2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.) **This course is not used in the departmental assessment process.**

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in Hospitality Administration - Lodging Management Emphasis	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add: Delete: Total Hours:	Sophomore Spring Semester Add/Change: ACCT 2033 Delete: ACCT 2003/2000 Total Hours: 16
Junior Fall Semester Add/Change: Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Delete: Total Hours:

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Parks, Recreation, and Hospitality Administration	**7/20/21**

Title	Signature	Date
Department Head	Marshall Stafford	7/23/21
Dean	Judy L Cyrus	7/23/2021
Assessment	Christ Austin	7.26.21
Registrar	Tammy Williams	9/12/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Program Title:
Hospitality Administration – Foodservices Management Emphasis

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

(1) Delete ACCT 2003/2000 and

(2) Add ACCT 2033

What impact will the change have on staffing, on other programs and space allocation?

None

Answer the following Assessment questions:

a. How does the program change align with the university mission?

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. **Not Applicable**

c. What is the rationale for this program change? **The Accounting, Finance and Economics Department is changing the three-credit hour ACCT 2003 with a 0-credit lab (ACCT 2000) into a four-credit hour course (ACCT 2004) to ensure students receive credit for the lab. This course is being added for programs outside of the CoB that do not have room in their program for the revised four-credit hour course (ACCT 2004).**

1. How will the program change impact learning for students enrolled in this program? **No impacts on student learning are anticipated with this change.**
2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.) **This course is not used in the departmental assessment process.**

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in Hospitality Administration - Foodservices Management Emphasis	
Freshman Fall Semester Add/Change: Delete: Total Hours:	Freshman Spring Semester Add/Change: Delete: Total Hours:
Sophomore Fall Semester Add: Delete: Total Hours:	Sophomore Spring Semester Add/Change: ACCT 2033 Delete: ACCT 2003/2000 Total Hours: 16
Junior Fall Semester Add/Change: Delete: Total Hours:	Junior Spring Semester Add/Change: Delete: Total Hours:
Senior Fall Semester Add/Change: Delete: Total Hours:	Senior Spring Semester Add/Change: Delete: Total Hours:

ARKANSAS TECH UNIVERSITY

REQUEST FOR COURSE ADDITION

Department Initiating Proposal	Date
Department of Mathematics and Statistics	6/16/2021

Title	Signature	Date
Department Head Dr. Jeanine Myers	Jeanine L Myers	6/22/21
Dean Dr. Jeff Robertson	Jeff W. Robertson	2021 June 22
Assessment Dr. Christine Austin	Christine Austin	9.13.21
Registrar Ms. Tammy Weaver	Tammy Weaver	9/14/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs Dr. Barbara Johnson		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Course Subject: (e.g., ACCT, ENGL)	Course Number: (e.g., 1003)	Effective Term:
STAT	**4383**	○ Spring ◉ **Summer I**

Official Catalog Title: (If official title exceeds 30 characters, indicate Banner Title below)

Machine Learning

Banner Title: (limited to 30 characters, including spaces, capitalize all letters — this will display on the transcript)

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Will this course be cross-listed with another existing course? If so, list course subject and number.

○ Yes ◉ No

Will this course be cross-listed with a course currently not in the undergraduate or graduate catalog?

If so, list course subject and number. ◉ Yes ○ No STAT 5383

Is this course repeatable for additional earned hours? ○ Yes ◉ No How many total hours?

Grading: ◉ Standard Letter ○ P/F ○ Other

Mode of Instruction (check appropriate box):

◉ 01 Lecture	○ 02 Lecture/Laboratory	○ 03 Laboratory only	
○ 05 Practice Teaching	○ 06 Internship/Practicum	○ 07 Apprenticeship/Externship	
○ 08 Independent Study	○ 09 Readings	○ 10 Special Topics	
○ 12 Individual Lessons	○ 13 Applied Instruction	○ 16 Studio Course	
○ 17 Dissertation Research	○ 18 Activity Course	○ 19 Seminar	○ 98 Other

Does this course require a fee? ○ Yes ◉ No How Much? Select Fee Type

If selected other list fee type:

☐ Elective ☑ Major ☐ Minor

(If major or minor course, you must complete the Request for Program Change form to add course to program.)

If course is required by major/minor, how frequently will course be offered?

Once a Year - Fall only

Will this course require any special resources such as unusual maintenance costs, library resources, special software, distance learning equipment, etc.?

None

Will this course require a special classroom (computer lab, smart classroom, or laboratory)?

Computer lab

Answer the following Assessment questions:

a. If this course is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

Not applicable

b. If this course is required for the major or minor, complete the following.

1. Provide the program level learning outcome(s) it addresses.
   Students will be able to (1) be able to apply appropriate statistical or computational modeling tools to analyze data, interpret the results with proper scope of conclusions; (2) implement professional software packages for statistical computing and demonstrate competence in with database management.

2. Provide tool or measure directly linked to each program learning outcome. (How will student learning in this outcome be measured?)
   Homework, projects, and exams

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REGISTRAR'S OFFICE

c. What is the rationale for adding this course? What evidence demonstrates this need?

Classic machine learning algorithms have been proven valuable and successful in practical applications. Machine learning algorithms are used in a wide variety of applications, such as in medicine, speech recognition, and computer vision. This course provides students understanding and hands-on experience with using Python to develop machine learning algorithms for practical applications.

For the proposed course, attach a syllabus in Word format that includes: **(Items a. through d. should be entered as they should appear in the catalog)**

a. Course subject
b. Course number
c. Catalog course title
d. Catalog description
   1. Arkansas Course Transfer System (ACTS) course number, if applicable
   2. Cross-listing
   3. Offered (e.g., Fall only, Spring only. Do not enter if offer course fall and spring)
   4. Prerequisites
   5. Co-requisites
   6. Description
   7. Notes (e.g., information not in description such as course may be repeated for credit)
   8. Contact Hours if different than lecture (e.g., Lecture three hours, laboratory three hours)
   9. Fees (e.g., $36 art fee)
e. Section for Name of instructor, office hours, contact information (telephone, email)
f. Text required for course
g. Bibliography (supplemental reading list)
h. Justification/rationale for the course
i. Course objectives
j. Description of how course meets general education objectives (courses included in the general education component should show how the course meets one or more of the objectives contained in General Education Objectives listed in undergraduate catalog)
k. Assessment methods (include grading policy with specific equivalents for A, B, C)
l. Policy on absences, cheating, plagiarism, etc.
m. Course content (outline of material to be covered in course).

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

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Syllabus

Department of Mathematics and Statistics

Course subject: STAT
Course number: 4383
Catalog course title: Machine Learning.
Catalog description

1. **Arkansas Course Transfer System (ACTS) course number, if applicable**
2. **Cross-listing**
3. **Offered (e.g., Fall only, Spring only. Do not enter if offer course fall and spring)**
   Fall only.
4. **Prerequisites**
   MATH 4003 Linear algebras, MATH 2914 Calculus I.
5. **Co-requisites**
6. **Description**
   This course is directed towards advanced undergraduates in statistics, mathematics, or related quantitative fields. The focus of the course is an accessible overview of the field of machine learning and provide the students with valuable hands-on experience by illustrating how to implement each of the machine learning methods using Python. Topics covered include Decision Tree, Support Vector Machines, and the kernel methods, AdaBoost and GBDT method, Logistic regression, and neural network, and more.
7. **Notes (e.g., information not in description such as course may be repeated for credit)**
8. **Contact Hours if different than lecture (e.g., Lecture three hours, laboratory three hours)**
9. **Fees (e.g., $36 art fee)**

COURSE INSTRUCTOR: TBD **Office: Corley** **Phone:** **Email:**

OFFICE HOURS:

TEXTBOOK

- Machine Learning in Action, Peter Harrington. Manning Publications, ISBN:9781617290183, 2012. The book webpage is manning.com/books/machine-learning-in-action.
- Deep Learning with Python, François Chollet. Manning Publications, ISBN:9781617294433, 2017. The book webpage is manning.com/books/deep-learning-with-python.

BIBLIOGRAPHY

- Pattern Recognition and Machine Learning, Christopher Bishop, Springer-Verlag, ISBN: 9780387310732, 2006. The book webpage is springer.com/gp/book/9780387310732.

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- The Elements of Statistical Learning, Data Mining, Inference, and Prediction, 2nd Edition, Trevor Hastie, Robert Tibshirani, and Herome Friedman, Springer, ISBN:9780387848570, 2016. The book webpage is springer.com/gp/book/9780387848570.

JUSTIFICATION

Classic machine learning algorithms have been proven valuable and successful in practical applications. Machine learning algorithms are used in a wide variety of applications, such as in medicine, classification, and computer vision. This course provides students understanding and hands-on experience with using Python to develop machine learning algorithms for practical applications.

OBJECTIVES

After completing this course, the learner will be able to:

- Identify different types of models (supervised/unsupervised, regression/classification, etc..).
- Understand the fundamental ideas behind the machined learning algorithms covered in the course.
- Apply algorithmic paradigms including stochastic gradient descent, neural networks, etc...
- Design and implement certain machine learning models using Python.
- Know the pros and cons of each method and identify which algorithms should be applied in which circumstances.

GENERAL EDUCATION REQUIREMENTS

This course does not meet any of the General Education requirements.

ASSESSMENT

The final grade will be computed based on the following breakdown:

Homework	**25%**
Projects	**30%**
Midterm	**20%**
Final	**25%**
Total	***100%***

The following percentage table will be used to assign scores:

90-100% - A 80-89% - B 70-79% - C 60-69% - D Below 60% - F

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ATTENDANCE

Attendance is required and necessary for success in this course. After 2 absences, a student's name may be reported to the advising center's Early Warning staff. After 4 absences, a student may be dropped from the course with an FE* if the grade is below 60%. Students who arrive to class late or leave class early may be counted as absent. If a student is absent for any reason, it is his/her responsibility to learn what assignment was missed and to complete on time. Being absent is NOT an excuse for missing an assignment.

COURSE CONDUCT

Respect your peers. Students are expected to respect the rights of others. Students must conduct themselves in a professional manner, and maintain an atmosphere that does not distract other students from learning. Students whose behavior the instructor deems to be disruptive will be asked to leave. This includes, but is not limited to, cell phones ringing, talking on a cell phone or text messaging, use of a laptop computer in a distracting manner, consuming food or beverage, and/or having conversations with other students that are not part of the class instruction. If for some reason you feel that one or more of these items are necessary, you must get express permission from the instructor beforehand. A student who is requested to leave will not be excused from missing any class or class activities.

PLAGIARISM & CHEATING

Cheating will not be tolerated. Students are expected to do their **OWN** work. Copying or allowing someone to copy work is cheating. Consequences range from a zero on the assignment (or test) to expulsion from the course. Definitions of cheating and plagiarism are in the Student Code of Conduct from the Student Handbook.

SCHEDULE

Week	
1-2	Syllabus, Introduction to the course, warm-up on Python, warm-up project: kNN.
3-4	Decision Tree.
5-6	Support vector machine.
7-9	Ensemble methods (AdaBoost and GBDT).
10-11	Logistic regression.
12-15	Neural network.

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Syllabus

Department of Mathematics and Statistics

Course subject: STAT
Course number: 5383
Catalog course title: Machine Learning.
Catalog description

1. **Arkansas Course Transfer System (ACTS) course number, if applicable**
2. **Cross-listing**
3. **Offered (e.g., Fall only, Spring only. Do not enter if offer course fall and spring)**
   Fall only.
4. **Prerequisites**
   MATH 4003 Linear algebras, MATH 2914 Calculus I.
5. **Co-requisites**
6. **Description**
   This course is directed towards advanced undergraduates and graduates in statistics, mathematics, or related quantitative fields. The focus of the course is an accessible overview of the field of machine learning and provide the students with valuable hands-on experience by illustrating how to implement each of the machine learning methods using Python. Topics covered include Decision Tree, Support Vector Machines, and the kernel methods, AdaBoost and GBDT method, Logistic regression, and neural network, and more.
7. **Notes (e.g., information not in description such as course may be repeated for credit)**
8. **Contact Hours if different than lecture (e.g., Lecture three hours, laboratory three hours)**
9. **Fees (e.g., $36 art fee)**

COURSE INSTRUCTOR: TBD **Email:** **Office: Corley** **Phone:**

OFFICE HOURS:

TEXTBOOK

- Machine Learning in Action, Peter Harrington. Manning Publications, ISBN:9781617290183, 2012. The book webpage is manning.com/books/machine-learning-in-action.
- Deep Learning with Python, François Chollet. Manning Publications, ISBN:9781617294433, 2017. The book webpage is manning.com/books/deep-learning-with-python.

BIBLIOGRAPHY

- Pattern Recognition and Machine Learning, Christopher Bishop, Springer-Verlag, ISBN: 9780387310732, 2006. The book webpage is springer.com/gp/book/9780387310732.

- The Elements of Statistical Learning, Data Mining, Inference, and Prediction, 2nd Edition, Trevor Hastie, Robert Tibshirani, and Herome Friedman, Springer, ISBN:9780387848570, 2016. The book webpage is springer.com/gp/book/9780387848570.

JUSTIFICATION

Classic machine learning algorithms have been proven valuable and successful in practical applications. Machine learning algorithms are used in a wide variety of applications, such as in medicine, classification, and computer vision. This course provides students understanding and hands-on experience with developing machine learning algorithms using Python.

OBJECTIVES

After completing this course, the learner will be able to:

- Identify different types of models. (supervised/unsupervised, regression/classification, etc..).
- Understand the fundamental ideas behind the machined learning algorithms covered in the course.
- Apply algorithmic paradigms including stochastic gradient descent, neural networks, etc...
- Design and implement certain machine learning models using Python.
- Know the pros and cons of each method and identify which algorithms should be applied in which circumstances.

Additional Objectives for Graduates

Understand the mathematics behind algorithms (e.g., backpropagation), and have projects on tuning hyperparameters.

GENERAL EDUCATION REQUIREMENTS

This course does not meet any of the General Education requirements.

ASSESSMENT

The final grade will be computed based on the following breakdown. The numbers outside the paratheses are for undergraduates, while the numbers inside the paratheses are for graduates.
Graduates will give a final presentation at the end of semester. The topic of the presentation will be the mathematics of given algorithms (backpropagation, stochastic gradient descent, etc..). Some projects for graduates might be different for graduates and for undergraduates.

Homework	**25% (25%)**
Projects	**30% (25%)**
Midterm	**20% (20%)**

Final	**25% (20%)**
Final presentation	**0% (10%)**
Total	***100% (100%)***

The following percentage table will be used to assign scores:

90-100% - A 80-89% - B 70-79% - C 60-69% - D Below 60% - F

ATTENDANCE

Attendance is required and necessary for success in this course. After 2 absences, a student's name may be reported to the advising center's Early Warning staff. After 4 absences, a student may be dropped from the course with an FE* if the grade is below 60%. Students who arrive to class late or leave class early may be counted as absent. If a student is absent for any reason, it is his/her responsibility to learn what assignment was missed and to complete on time. Being absent is NOT an excuse for missing an assignment.

COURSE CONDUCT

Respect your peers. Students are expected to respect the rights of others. Students must conduct themselves in a professional manner, and maintain an atmosphere that does not distract other students from learning. Students whose behavior the instructor deems to be disruptive will be asked to leave. This includes, but is not limited to, cell phones ringing, talking on a cell phone or text messaging, use of a laptop computer in a distracting manner, consuming food or beverage, and/or having conversations with other students that are not part of the class instruction. If for some reason you feel that one or more of these items are necessary, you must get express permission from the instructor beforehand. A student who is requested to leave will not be excused from missing any class or class activities.

PLAGIARISM & CHEATING

Cheating will not be tolerated. Students are expected to do their **OWN** work. Copying or allowing someone to copy work is cheating. Consequences range from a zero on the assignment (or test) to expulsion from the course. Definitions of cheating and plagiarism are in the Student Code of Conduct from the Student Handbook.

SCHEDULE

Week	
1-2	Syllabus, Introduction to the course, warm-up on Python, warm-up project: kNN.

3-4	Decision Tree.
5-6	Support vector machine.
7-9	Ensemble methods (AdaBoost and GBDT).
10-11	Logistic regression.
12-15	Neural network.

ARKANSAS TECH UNIVERSITY

REQUEST FOR COURSE DELETION

Department Initiating Proposal	Date
Department of Mathematics and Statistics	6/16/2021

Title	Signature	Date
Department Head Dr. Jeanine Myers	Jeanine L Myers	6/21/21
Dean Dr. Jeff Robertson	Jeff W. Robertson	2021 June 22
Assessment Dr. Christine Austin		9.13.21
Registrar Ms. Tammy Weaver	Tammy Weaver	9/14/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs Dr. Barbara Johnson		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Course Subject: (e.g., ACCT, ENGL)	Course Number: (e.g., 1003)
STAT	**2000**
Official Catalog Title: **Statistical Packages Lab**	

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Is this course cross-listed with another existing course? If so, list course subject and number.

○ Yes ◉ No

Will the cross-listed course be deleted? ○ Yes ◉ No

(NOTE: If major or minor course, you must complete the Request for Program Change form to delete course from program.)

Answer the following Assessment questions:

a. If this course is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.
   Not applicable

b. If this course was required for the major or minor, complete the following.
   1. How will program level learning outcome(s) previously addressed by this course now be addressed?

      Not applicable

c. What is the rationale for deleting this course? What evidence supports this action?

   STAT 2000 Statistical Packages Lab was a co-requisite course of STAT 2303 Statistical Methods. It is decided by the Applied Statistics program committee that STAT 2303 Statistical Methods being replaced with the newly proposed course STAT 2304 Programming Languages for Data Science, which incorporates more statistical software applications.
   As Python and R are two popular open-source programming languages with a large data scientist community, it will be beneficial to offer a course introducing the computer programming using Python and R. The application of SAS will be incorporated into the courses like STAT 3113 Regression Analysis, STAT 4153 Experimental Design and Analysis, or STAT 4113 Categorical Data Analysis. With the exposure to different programming packages in data science, student will gain more experience, which will be helpful for their job searching after graduation.

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

NOTE: This deletion will be effective at the end of the spring term of the current catalog year.

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REQUEST FOR COURSE CHANGE

Department Initiating Proposal	Date
Department of Mathematics and Statistics	6/16/2021

Title	Signature	Date
Department Head Dr. Jeanine Myers	Jeanine L Myers	6/21/21
Dean Dr. Jeff Robertson	Jeff W Robertson	2021 June 22
Assessment Dr. Christine Austin		9.13.21
Registrar Ms. Tammy Weaver	Tammy Weaver	9/14/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs Dr. Barbara Johnson		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Course Subject: (e.g., ACCT, ENGL)	Course Number: (e.g., 1003)
STAT	**2303**

Official Catalog Title:

Statistical Methods

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Is this course cross-listed with another existing course? If so, list course subject and number.

○ Yes ◉ No

Request to change: (check appropriate box):

☑ Course Number	☑ Title	☑ Course Description
☐ Cross-Listing	☑ Prerequisite	☑ Co-requisite
☐ Grading	☐ Fee	
☐ Other		

NOTES: These changes will become effective in the Summer I Term of the new catalog year. If this course is cross-listed, a prerequisite/co-requisite, or included in the course description of other courses, a Course Change must be submitted to address all changes in related courses.

New Course Number: (e.g., 1003)

2304

New Official Catalog Title: (If official title exceeds 30 characters, indicate Banner Title below)

Programming Languages for Data Science

Banner Title: (limited to 30 characters, including spaces, capitalize all letters - this will display on the transcript)

Prog. Lang. Data Science

New Course Description:

The goal of this course is to introduce the basic computer programming using Python and R to the undergraduate students, who are interested in working in the rapidly growing fields of data science and data analytics. Python and R are two open-source programming languages with a large data scientist community. This course will introduce the basic programming skills and tools necessary to efficiently collect, process, visualize, and analyze the datasets. Hands-on project will be given to help students gain experience with the software packages (Python, R, GitHub, Google Collaboratory, Jupyter Notebook, and RStudio). DELETE reference to software package names.

New Cross List:

☐ Adding Cross-Listing ☐ Changing Cross-Listing ☐ Deleting Cross-Listing

If adding or changing cross-listing, indicate course subject and number

New Prerequisite (list all, as you want them to appear in the catalog):

Any introductory statistics course

New Co-requisite (list all, as you want them to appear in the catalog):

☐ Elective ☑ Major ☐ Minor

(If major or minor course, you must complete the Request for Program Change form to add course to program.)

Answer the following Assessment questions:

a. If this course is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.
Not applicable.

b. If this course is required for the major or minor, complete the following.
   a. Provide the program level learning outcome(s) it addresses.

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Students will be able to (1) understand the basic programming algorithms and logic, (2) Implement professional statistical software packages for statistical computing and demonstrate competence in with database management.

b. Provide tool or measure directly linked to each program learning outcome. (How will student learning in this outcome be measured?)

homework, quizzes, labs, and projects

c. What is the rationale for adding this course? What evidence supports this action?

The goal of this course is to provide an overview of basic concepts and data structures in computer programming for data science. The course will equip students the basic knowledge and programming skills necessary for functioning as a data related profession. R and Python are two languages broadly applicable across all areas of data science, and will be used, continually developed, and applied in the students' study and research, and eventually in the workplace.

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

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ARKANSAS TECH UNIVERSITY

REQUEST FOR COURSE CHANGE

Department Initiating Proposal	Date
Department of Mathematics and Statistics	6/10/2021

Title	Signature	Date
Department Head Dr. Jeanine Myers	Jeanine L. Myers	6/21/21
Dean Dr. Jeff Robertson	Jeff W. Robertson	2021 June 22
Assessment Dr. Christine Austin		9.13.21
Registrar Ms. Tammy Weaver	Tammy Weaver	9/14/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs Dr. Barbara Johnson		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Course Subject: (e.g., ACCT, ENGL)	Course Number: (e.g., 1003)
STAT	~~5113~~ 4113

Official Catalog Title:

Categorical Data Analysis

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Is this course cross-listed with another existing course? If so, list course subject and number.

○ Yes ◉ No

Request to change: (check appropriate box):

☐ Course Number	☐ Title	☐ Course Description
☑ Cross-Listing	☑ Prerequisite	☐ Co-requisite
☐ Grading	☐ Fee	
☐ Other		

NOTES: These changes will become effective in the Summer I Term of the new catalog year. If this course is cross-listed, a prerequisite/co-requisite, or included in the course description of other courses, a Course Change must be submitted to address all changes in related courses.

New Course Number: (e.g., 1003)

New Official Catalog Title: (If official title exceeds 30 characters, indicate Banner Title below)

Banner Title: (limited to 30 characters, including spaces, capitalize all letters - this will display on the transcript)

New Course Description:

New Cross List:

☑ Adding Cross-Listing ☐ Changing Cross-Listing ☐ Deleting Cross-Listing

If adding or changing cross-listing, indicate course subject and number: STAT ~~4113~~ 5113

New Prerequisite (list all, as you want them to appear in the catalog):
STAT 3113 or permission of instructor

New Co-requisite (list all, as you want them to appear in the catalog):

☐ Elective ☐ Major ☐ Minor

(If major or minor course, you must complete the Request for Program Change form to add course to program.)

Answer the following Assessment questions:

a. If this course is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.
Not applicable.

b. If this course is required for the major or minor, complete the following.
   a. Provide the program level learning outcome(s) it addresses.
   The students will be able to apply appropriate statistical modeling tools to analyze data, interpret the results with proper scope of conclusions.
   b. Provide tool or measure directly linked to each program learning outcome. (How will student learning in this outcome be measured?)
   Homework, quizzes, projects, and tests

c. What is the rationale for adding this course? What evidence supports this action?

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	This new double-listing course will be graduate level statistical course. The goal of this course is to introduce students to statistical methods for analyzing data in which the response variables are categorical: either qualitative or quantitative and the explanatory variables can be categorical or continuous. In the real world, often times we have data that require knowledge of how to handle categorical response variables as well as the mixed inputs. By learning categorical analysis, it further deepens knowledge in statistics that will provide necessary tools and conceptual foundations in quantitative reasoning to extract information intelligently from this sea of data.
If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.	

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Syllabus
Department of Mathematics and Statistics

Course subject: STAT
Course number: 5113
Catalog course title: Categorical Data Analysis
d. Catalog description

1. **Arkansas Course Transfer System (ACTS) course number, if applicable**
2. **Cross-listing**
3. **Offered (e.g., Fall only, Spring only. Do not enter if offer course fall and spring)**
   Fall only
4. **Prerequisites**
   STAT 3113 Regression Analysis
5. **Co-requisites**
6. **Description**
   Statistical tools to analyze univariate and multivariate categorical responses. Emphasis is given to Generalized Linear Models, including logistic regression and loglinear models. Generalized Linear Mixed Models will be covered for the graduate level categorical data analysis course.
7. **Notes (e.g., information not in description such as course may be repeated for credit)**
8. **Contact Hours if different than lecture (e.g., Lecture three hours, laboratory three hours)**
9. **Fees (e.g., $36 art fee)**

This section is all to be completed by faculty of record for the course.
Course Office: Corley Phone: Email:
Instructor: TBD
Office Hours: To be determined by the faculty of record for this course

Text required: An Introduction to Categorical Analysis. 2nd edition. Author: Alan Agresti. Publisher: John Wiley & Sons, Inc. ISBN: 9780471226185.

Bibliography: There is NO required supplemental reading list for this course.

Justification/rationale for the course: The goal of this course is to introduce students to statistical methods for analyzing data in which the response variables are categorical: either qualitative or quantitative and the explanatory variables can be categorical or continuous. In the real world, often times we have data that require knowledge of how to handle categorical response variables as well as the mixed inputs. By learning categorical analysis, it further deepens knowledge in statistics that will provide necessary tools and conceptual foundations in quantitative reasoning to extract information intelligently from this sea of data.

Course objectives - By completing this course the student will be able to perform the following:

- Students will be able to select the appropriate statistical methodology for the analysis of categorical data.
- Justify the basic theoretical models for categorical data.
- Conduct and/or actively participate in the modeling and analyzing of categorical data.
- Interpret results from contingency tables or generalized linear models that evaluate relationships between categorical variables
- Communicate, both verbally and in writing, results with non-statisticians
- Analyze categorical data using statistical software
- Understand the random effect and the random effect models.

Course Content:

• 1	Overview & Intro.	1.1-1.2
• 2	Sampling models & Inference	1.3-1.5
• 3	2-way tables: structure and proportions	2.1
• 4	2-way tables: odds ratios	2.2, 2.4
• 5	Inference: Chi-square tests	3.1-3.3
• 6	Inference: ordinal data, exact tests	3.4-3.6
• 7	3-way tables: partial association	2.3, 3.7
• 8	Generalized linear models (GLM)	4.1
• 9	GLMs for binary data	4.2
• 10	Poisson regression	4.3
	Inference and model checking	4.5-4.6
• 11	Logistic regression	5.1
• 12	Logistic regression: model checking	5.2
• 13	Logit models (categorical predictors)	5.3
• 15	Multiple logistic regression	5.4-5.5

General Education Requirements: This course does not meet any General Education requirements.

Assessment: The final grade will consist of 100 percentage points, with the following breakdown:

The graduate level Categorical Data Analysis course requires the students to give a presentation on the generalized linear mixed models. Graduate students could work on a project containing random effect, present and interpret the results, or give detailed presentation on illustrating the random effect and generalized linear mixed models using multiple examples.

Homework/Quizzes	35%
Final Presentation	10%
Projects/Exams (20% each)	55%
	100%

The following percentages will be used to assign scores:

90-100% - A 80-89% - B 70-79% - C 60-69% - D Below 60% - F

Attendance: The policy of the University in regard to class absences may be stated as the considered belief that regular class attendance is essential to the maximum growth and development of the student, and that students, in their own interest, are therefore responsible for attending all classes for which they are enrolled. *In the event that you must miss, it is your responsibility to find out what material you missed and if any assignments are due.* I DO NOT take doctor's notes for absences.

No Make-Up exams will be given.

Expectations:

- Students must adhere to the rules set forth in the handbook.
- Students must do their own work.
- Consider your actions carefully: There will be no tolerance for conduct that even gives the appearance of cheating.
- Students are expected to respect the rights of others

- Students should not hesitate to clarify any questions regarding the policies of this course with the instructor.

Cheating/Plagiarism : Cheating or copying someone else's work may result in anything from a zero on the assignment (or test) to expulsion from the course with a course grade of F. Talking to others or using notes are NOT allowed during exams, either. *Please note that while I strongly encourage working together on assignments, copying someone else's work is cheating, and will not be tolerated.* Using apps, unapproved websites, etc are also considered cheating.

ARKANSAS TECH UNIVERSITY

REQUEST FOR COURSE CHANGE

Department Initiating Proposal	Date
Department of Mathematics and Statistics	6/10/2021

Title	Signature	Date
Department Head Dr. Jeanine Myers	Jeanine L Myers	6/21/21
Dean Dr. Jeff Robertson	Jeff W. Robertson	2021 June 22
Assessment Dr. Christine Austin	Christine Austin	9.13.21
Registrar Ms. Tammy Weaver	Tammy Weaver	9/14/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs Dr. Barbara Johnson		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Course Subject: (e.g., ACCT, ENGL)	Course Number: (e.g., 1003)
~~MATH~~ STAT	~~5153~~ 4153

Official Catalog Title:

Experimental Design and Analysis

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Is this course cross-listed with another existing course? If so, list course subject and number.

◉ Yes ○ No

STAT 4153

Request to change: (check appropriate box):

☐ Course Number	☐ Title	☐ Course Description
☑ Cross-Listing	☐ Prerequisite	☐ Co-requisite
☐ Grading	☐ Fee	
☐ Other		

NOTES: These changes will become effective in the Summer I Term of the new catalog year. If this course is cross-listed, a prerequisite/co-requisite, or included in the course description of other courses, a Course Change must be submitted to address all changes in related courses.

New Course Number: (e.g., 1003)

~~**STAT 5153**~~

New Official Catalog Title: (If official title exceeds 30 characters, indicate Banner Title below)

~~**Experimental Design and Analysis**~~

Banner Title: (limited to 30 characters, including spaces, capitalize all letters - this will display on the transcript)

~~**Exper. Design Anal.**~~

New Course Description:

New Cross List:

☑ Adding Cross-Listing ☐ Changing Cross-Listing ☐ Deleting Cross-Listing

If adding or changing cross-listing, indicate course subject and number: STAT ~~4153~~ 5153

New Prerequisite (list all, as you want them to appear in the catalog):

New Co-requisite (list all, as you want them to appear in the catalog):

☐ Elective ☑ Major ☐ Minor

(If major or minor course, you must complete the Request for Program Change form to add course to program.)

Answer the following Assessment questions:

a. If this course is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.
Not applicable.

b. If this course is required for the major or minor, complete the following.
   a. Provide the program level learning outcome(s) it addresses.
   The students will be able to Demonstrate knowledge of efficient design and analysis of experiments for standard situations.

   b. Provide tool or measure directly linked to each program learning outcome. (How will student learning in this outcome be measured?)
   Homework, Course projects, and tests

c. What is the rationale for adding this course? What evidence supports this action?

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	This new double-listing course will be graduate level statistical course. Designing experiments to effectively address research questions, performing data analysis by using appropriate software and drawing statistical conclusions are the essential skills for statisticians. Experimental design is also an important tool for engineers and scientists to use for product design and development as well as process development and improvement.
If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.	

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ARKANSAS TECH UNIVERSITY
DEPARTMENT OF MATHEMATICS
CLASS SYLLABUS

Spring 2021

Course: **STAT 5153 Experimental Design**

Instructor:

Office hours:

Phone:

Catalog Description: Analysis of variance, one factor experiments, experimental designs with two or more factors, linear and multiple regression analysis. Math 5153 may not be taken for credit after completion of this course.

Prerequisites: STAT 3153

Text: Design and Analysis of Experiments 9th Ed., by Douglas Montgomery , Published by John Wiley & Sons, Inc.
ISBN: 9781119113478

Purpose: This course is a continuation of Math 3153 with an emphasis on experimental design, analysis of variance, and regression analysis.

Objectives: Students successfully completing this course will be able to:

1. Design and analyze experiments with k independent samples with respect to a quantitative variable.
2. Use multiple comparison methods to determine which means differ when the null hypothesis is rejected.
3. Set up and analyze a randomized complete block design and a Latin square design (used to eliminate two extraneous sources of variability).
4. Set up and analyze two-factor factorial designs.
5. Design and analyze general factorial experiments, 2^k factorial experiments and 2^(k-p) fractional factorial experiments.
6. Understand and explain the relationship among variables by building multiple linear regression models.
7. Check the adequacy of the fitted model and estimate and test the regression coefficients.

Assessment Methods:

Grading: There will be two in class **exams** given throughout the semester, each exam will be worth 100 points. The in-class exams will be announced at least one week in advance. There will be no makeup on the in-class exams. If you have to miss one of the exams, then I will substitute your final exam grade in for the missed exam.

You will have **homework** (quizzes) that will be taken up throughout the semester. The quizzes will consist of a few problems, usually taken directly from the assigned homework of the previous one or two class periods. There will be no makeup on the quizzes and your quiz grade will be the percent you get correct at the end of the semester. Your homework grade can be a maximum of 100 points.

There will be an end of semester **presentation** (end of semester presentation (100 points))
For the presentation you will choose one of the below nonparametric tests to give a presentation on at the end of the semester.

Nonparametric tests:

1-sample sign test,1-sample Wilcoxon signed rank test, Friedman test, Kruskal-Wallis test.

In the presentation make sure you explain the test in detail and present an example of its application.

The **final exam** will be comprehensive and worth 100 points. The date and time will be given towards the end of the semester.

2 EXAMS @ 100 EACH	200
QUIZ Grade	100
PRESENTATION	100
FINAL EXAM 100 POINTS	100
TOTAL POINTS	500

GRADING SCALE:

450 - 500	A
400 - 459	B
350 - 399	C
300 - 349	D
BELOW 300	F

Policies:

Absences: You are expected to attend all class meetings.

Cheating/plagiarism: If an occurrence of cheating is detected, then I may adjust the grade as appropriate, ranging from a grade penalty on the test or assignment involved to an **F** in the course.

Cell phones are strictly prohibited during the exams. If you are caught with one during the exam it will result in a zero for that exam.

COVID -19 Considerations In order to help keep our ATU community safe, healthy, and to prevent the spread of COVID-19, students must follow several steps:

1. Masks must be worn by all students in public spaces, including classrooms and laboratories. Any student showing up for class without a mask will be given the opportunity to retrieve one. Entry into classrooms and laboratories without a mask will be prohibited. Please refer to the guidance from CDC as to the proper use of cloth masks (https://www.cdc.gov/coronavirus/2019-ncov/prevent-gettingsick/how-to-wear-cloth-face-coverings.html). Note that CDC does not recommend the use of a face shield in the place of a cloth mask (https://www.cdc.gov/coronavirus/2019-ncov/prevent-gettingsick/cloth-face-cover-guidance.html).

2. All students are required to participate in a daily health self-screen (https://www.atu.edu/pandemicrecovery/student-healthscreening.php). For students commuting to campus, please complete before coming to campus. For residential students, please complete each day before leaving your residence hall. If you do not own a thermometer, please have your temperature taken at one of the temperature testing sites listed in the student health screening document and repeated below: • Department of Public Safety available beginning July 6th (716 N El Paso Avenue); Monday-Friday; 8am-5pm • Health and Wellness Center available beginning August 3rd (outdoor tent station by north entrance of Doc Bryan Student Services Center); Monday-Friday; 8am-5pm • University Commons Clubhouse available beginning August 10th; Monday-Friday; 8am-10pm and Sunday; 5pm-10pm.

3. All students must maintain at least 6 feet of distance from every person present in all instructional spaces used in this course (classrooms, laboratories, etc.). 4. Any student who tests positive for COVID-19 is asked to self-report to the ATU Health and **Wellness Center by calling (479) 968-0329** or sending email to hwc@atu.edu. Doing so will allow the university to communicate directly with others who might have been exposed to the virus and take any appropriate cleaning and sanitizing measures. Students are expected to abide by the above steps per the Student Handbook section on Classroom Behavior. For more information about ATU COVID-19 policies, please refer to the ATU Pandemic Framework (https://www.atu.edu/pandemicrecovery/docs/Pandemic%20Framework

ARKANSAS TECH UNIVERSITY

REQUEST FOR COURSE CHANGE

Department Initiating Proposal	Date
Department of Mathematics and Statistics	6/10/2021

Title	Signature	Date
Department Head Dr. Jeanine Myers	Jeanine L Myers	6/21/21
Dean Dr. Jeff Robertson	Jeff W Robertson	2021 June 22
Assessment Dr. Christine Austin	Christine Austin	9.13.21
Registrar Ms. Tammy Weaver	Tammy Weaver	9/14/21
Graduate Dean (Graduate Proposals Only)		
Vice President for Academic Affairs Dr. Barbara Johnson		

Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
Teacher Education Committee (Graduate or Undergraduate Proposals)	
Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

Course Subject: (e.g., ACCT, ENGL)	Course Number: (e.g., 1003)
STAT	~~5393~~ 4393
Official Catalog Title: **Statistical Learning**	

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Is this course cross-listed with another existing course? If so, list course subject and number.

○ Yes ◉ No

Request to change: (check appropriate box):

☐ Course Number	☐ Title	☐ Course Description
☑ Cross-Listing	☑ Prerequisite	☐ Co-requisite
☐ Grading	☐ Fee	
☐ Other		

NOTES: These changes will become effective in the Summer I Term of the new catalog year. If this course is cross-listed, a prerequisite/co-requisite, or included in the course description of other courses, a Course Change must be submitted to address all changes in related courses.

New Course Number: (e.g., 1003)

New Official Catalog Title: (If official title exceeds 30 characters, indicate Banner Title below)

Banner Title: (limited to 30 characters, including spaces, capitalize all letters - this will display on the transcript)

New Course Description:

New Cross List:

☑ Adding Cross-Listing ☐ Changing Cross-Listing ☐ Deleting Cross-Listing

If adding or changing cross-listing, indicate course subject and number: STAT ~~4393~~ 5393

New Prerequisite (list all, as you want them to appear in the catalog):

STAT 3113 or permission of instructor

New Co-requisite (list all, as you want them to appear in the catalog):

☐ Elective ☐ Major ☐ Minor

(If major or minor course, you must complete the Request for Program Change form to add course to program.)

Answer the following Assessment questions:

a. If this course is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

Not applicable.

b. If this course is required for the major or minor, complete the following.

a. Provide the program level learning outcome(s) it addresses.

Students will be able to (1) apply appropriate statistical modeling tools to analyze data, interpret the results with proper scope of conclusions, (2) implement professional statistical software packages for statistical computing and demonstrate competence in with database management.

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b. Provide tool or measure directly linked to each program learning outcome. (How will student learning in this outcome be measured?)
Homework, group course project, and tests

c. What is the rationale for adding this course? What evidence supports this action?
This new double-listing course will be graduate level statistical course. Statistical learning has become a hot field in many scientific areas as well as marketing, finance, and other business disciplines. People with statistical learning skills are in high demand. This course provides hands-on opportunities for students to apply the advanced statistical methods to solve real-world problems.

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

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Syllabus

Department of Mathematics and Statistics

Course subject: STAT
Course number: 5393
Catalog course title: Statistical Learning
Catalog description

1. **Arkansas Course Transfer System (ACTS) course number, if applicable**
2. **Cross-listing**
3. **Offered (e.g., Fall only, Spring only. Do not enter if offer course fall and spring)**
   Spring only
4. **Prerequisites**
   STAT 3113 Regression Analysis or permission of instructor
5. **Co-requisites**
6. **Description**
   This course is directed towards advanced undergraduates or master's students in statistical or related quantitative fields. The focus of the course is an accessible overview of the field of statistical learning and provide the students with valuable hands-on experience by illustrating how to implement each of the statistical learning methods using R or other statistical programming language. Topics covered include: regression techniques, classification methods, linear model selection and regularization, unsupervised learning, and more. Tree-based methods will be introduced as an additional topic for graduate level statistical learning course.

7. **Notes (e.g., information not in description such as course may be repeated for credit)**
8. **Contact Hours if different than lecture (e.g., Lecture three hours, laboratory three hours)**
9. **Fees (e.g., $36 art fee)**

COURSE INSTRUCTOR: TBD **Email:** **Office: Corley** **Phone:**

OFFICE HOURS:

TEXTBOOK James, G., Witten, D., Hastie, T., and Tibshirani, R. An Introduction to Statistical Learning with Applications in R. New York: Springer. The book webpage is http://www-bcf.usc.edu/~gareth/ISL/.

BIBLIOGRAPHY Applied Data Mining and Statistical Learning: Very good online lecture notes on Statistical Learning.

JUSTIFICATION Statistical learning has become a hot field in many scientific areas as well as marketing, finance, and other business disciplines. People with statistical learning skills are in high demand. This course provides hands-on

opportunities for students to apply the advanced statistical methods to solve real-world problems.

OBJECTIVES

After completing this course, the learner will be able to:

- Identify supervised (regression, classification) and unsupervised (clustering) learning problems.
- Understand the fundamental idea behind statistical learning methods, know the pros and cons of each method.
- Understand the limitations of linear models and understand the nonlinear alternatives.
- Explain the challenges with high dimensional data and have a basic understanding of linear model selection and regularization.
- Formulate a mathematical solution to the real-world problems and implement the statistical learning methods by using statistical computing package.
- (Additional topic for graduate students) Understand the advantages and disadvantages of different types of decision trees.

GENERAL EDUCATION REQUIREMENTS

This course does not meet any of the General Education requirements.

ASSESSMENT

The final grade will consist of 100 percentage points, with the following breakdown:

The graduate level statistical learning course requires the students using tree-based method on a project and give a final presentation.

Homework	**15%**
Group Course Project	**25%**
Final Presentation (Tree-Based Methods)	**10%**
3 Exams (including Final Exam, 20% each)	**50%**
Total	***100%***

The following percentage table will be used to assign scores:

90-100% - A 80-89% - B 70-79% - C 60-69% - D Below 60% - F

ATTENDANCE

Attendance is required and necessary for success in this course. After 2 absences, a student's name may be reported to the advising center's Early Warning staff. After 4 absences, a student may be dropped from the course with an FE* if the grade is below 60%. Students who arrive to class late or leave class early may be counted as absent. If a student is absent for any reason, it is his/her responsibility to learn what assignment was missed and to complete on time. Being absent is NOT an excuse for missing an assignment.

COURSE CONDUCT

Respect your peers. Students are expected to respect the rights of others. Students must conduct themselves in a professional manner, and maintain an atmosphere that does not distract other students from learning. Students whose behavior the instructor deems to be disruptive will be asked to leave. This includes, but is not limited to, cell phones ringing, talking on a cell phone or text messaging, use of a laptop computer in a distracting manner, consuming food or beverage, and/or having conversations with other students that are not part of the class instruction. If for some reason you feel that one or more of these items are necessary, you must get express permission from the instructor beforehand. A student who is requested to leave will not be excused from missing any class or class activities.

PLAGIARISM & CHEATING

Cheating will not be tolerated. Students are expected to do their **OWN** work. Copying or allowing someone to copy work is cheating. Consequences range from a zero on the assignment (or test) to expulsion from the course. Definitions of cheating and plagiarism are in the Student Code of Conduct from the Student Handbook.

SCHEDULE

Week			Exercises
1	Syllabus, Introduction to Statistical Learning and statistical software package R		The instructor of record will determine the assignments/exercises and point value for each weekly topic.
2	Linear Regression		
3	Logistic Regression		

4	Linear Discriminant Analysis (LDA), K-Nearest Neighbors (KNN)		
5	A Comparison of Classification Methods, Cross-Validation		
6	Cross-Validation, Bootstrap		
7	Variable Selection, Shrinkage Methods		
8	Dimension Reduction, Considerations in High Dimensions		
9	Polynomial Regression, Generalized Additive Models		
10	Decision Trees, Bagging		
11	Random Forests, Boosting		
12	Support Vector Classifiers		
13	Support Vector Machines		
14	Principal Components Analysis (PCA)		
15	PCA, Clustering		

ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Department of Mathematics and Statistics	6/10/2021

Title	Signature	Date
Department Head Dr. Jeanine Myers	Jeanine L Myers	6/21/21
Dean Dr. Jeff Robertson	Jeff W Robertson	2021 June 22
Assessment Dr. Christine Austin		9.13.21
Registrar Ms. Tammy Weaver	Tammy Weaver	9/15/21
Graduate Dean (Graduate Proposals Only)		
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Committee	Approval Date
General Education Committee (Undergraduate Proposals Only)	
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Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

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Program Title:
Bachelor of Science in Applied Statistics: Actuarial Science option

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

(1) Delete General Elective in Semester 1
(2) Delete STAT 2303 Statistical Methods in Semester 2
(3) Add STAT 2163 Introduction to Statistical Methods in Semester 2
(4) Delete MATH 2703 Discrete Mathematics
(5) Add STAT 2304 Programming Language for Data Science in Semester 3
~~(6) Move STAT 3153 Applied Statistics in Semester 3 to Semester 4~~
(6) ~~(7)~~ Delete MATH 3243 Differential Equations
(7) ~~(8)~~ Add Quantitative Elective (2 Hrs) in Semester 7
(8) Change ACCT 2003 to 2004

What impact will the change have on staffing, on other programs and space allocation?

No significant impact

Answer the following Assessment questions:

a. How does the program change align with the university mission?
The proposed program change supports the University's mission by providing training in more applied statistical modelling techniques, programming skills that are broadly applicable across all areas of statistical data analysis or data science field.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

Not applicable

c. What is the rationale for this program change?
   1. How will the program change impact learning for students enrolled in this program?

By making the program change, we emphasize less on the mathematical training in discrete mathematics or differential equation. We incorporate the programming language for data science course, as it is more relevant to the Applied Statistics (Actuarial Science) majors and will be highly beneficial to their future career development.
Students equipped with both statistical analysis techniques and computer programming skills will be competitive in the workforce. Students will learn powerful tools in the Programming Language for Data Science course and gain hands-on experience with programming in R and Python.
Moreover, students will also have more freedom to choose some courses in finance or economics. Students could still take Discrete Mathematics or Differential Equations as MATH/STAT Elective.

   2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

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Statistician/Actuary is consistently recognized each year as one of the top occupations in the U.S. News & World Report's Best business Jobs Ranking. U.S. Bureau of Labor Statistics project the employment of actuaries to grow 18 percent from 2019 to 2029, much faster than the average for all occupations.
Programming skills in Python and R are necessary skills for functioning as an actuary, data analyst or data scientist. The training will greatly increase the students' marketability, as these skills are in-demand in the workforce. The Programming Language for Data Science course could also serve as a foundation programming introduction class for the follow-on statistics classes. With this program change, students could gain more applied analysis training, have more opportunity to gain experience working with data, and thus benefit their academic success.

b. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

There are just a few colleges and universities in Arkansas offer a similar program in Statistics, with one in Actuarial Science. Below is a list of the similar majors:

- University of Arkansas
  B.S. in Mathematics with Concentration (Statistics)
- University of Arkansas at Little Rock
  B.S. in Mathematics with Minor in Actuarial Science
  B.S. in Mathematics with Minor in Statistics

Within US, there are some institutions offer Applied Statistics program with Actuarial Science focus, which is more comparable to our program.

- Wright State University
  B.S. in Statistics with Concentration (Actuarial Science)
- Pennsylvania State University
  B.S. in Statistics (Actuarial Option)

c. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

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In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in____BS in Applied Statistics: Actuarial Science option _____ (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: General Elective Total Hours: 14	Freshman Spring Semester Add/Change: STAT 2163 Introduction to Statistical Methods Delete: STAT 2303 Statistical Methods Total Hours: 16
Sophomore Fall Semester Add/Change: STAT 2304 Programming Language for Data Science * (ACCT 2003 is changed to ACCT 2004) Delete: MATH 2703 Discrete Mathematics STAT 3153 Applied Statistics Total Hours: 15	Sophomore Spring Semester Add/Change: STAT 3153 Applied Statistics Delete: MATH 3243 Differential Equations Total Hours: 16
Junior Fall Semester Add/Change: Delete: Total Hours: 16	Junior Spring Semester Add/Change: Delete: Total Hours: 16
Senior Fall Semester Add/Change: Quantitative Elective (2 hrs) ~~Fine Arts & Humanities~~ Delete: Total Hours: 14	Senior Spring Semester Add/Change: Delete: Total Hours: 13

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Describe specified learning outcomes and course examination procedures.

Arkansas Tech University
Academic Cycle: Program Change
Program: Bachelor of Science in Applied Statistics with Actuarial Science Option

Program Objectives/Standards (align with mission)	Learning Objectives/ Outcome Assessment (3-5 unless otherwise specified)	Courses (program core)	Means of Assessment (direct and indirect measures)	Criteria for Success (performance standard)
PO1: **Have solid background in mathematics, probability, and statistical theory**	LO1: Demonstrate competence with mathematical skills needed for statistics, including calculus foundations, linear algebra, symbolic and abstract thinking LO2: Demonstrate understanding of the fundamentals of probability and statistical theory	MATH 2914, 2924, 2934 – Calculus I-III MATH 4003 – Linear Algebra STAT 2163 – Introduction to Statistical Methods STAT 3153 – Applied Statistics STAT 4163 – Mathematical Statistics	Tests, quizzes, assignments	High Pass 90-100% Pass 70-89%
PO2: **Demonstrate good working knowledge of the most commonly used**	LO1: Have good understanding of exploratory data analysis,	STAT 2163 - Introduction to Statistical Methods	Tests, quizzes, assignments; hands-on projects	High Pass 90-100% Pass 70-89%

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statistical methods and design of studies	basic statistical inference, and limitations of the procedures LO2: Demonstrate knowledge of efficient design and analysis of experiments for standard situations LO3: Be able to apply appropriate statistical or computational modeling tools to analyze data, interpret the results with proper scope of conclusions	STAT 4153 – Experimental Design and Analysis STAT 3113 – Regression Analysis STAT 4113 – Categorical Data Analysis STAT 4393 – Statistical Learning STAT 4383 – Machine Learning		
PO3: **Have good mastery of statistical computing skills and computer programming ability to manage and analyze data**	LO1: Understand the basic programming algorithms and logic LO2: Implement professional statistical software packages for statistical computing and	STAT 2304 Programming Language for Data Science COMS 2104 – Foundations of Computer Programming I STAT 2304 – Programming Language for Data Science STAT 4393 – Statistical Learning	Tests, quizzes, hands-on assignments	High Pass 90-100% Pass 70-89%

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	demonstrate competence in with database management	BUAD 2003 – Business Information Systems		
PO4: **Communicate effectively (written and oral) with skills in collaboration (within and between disciplines) and teamwork**	LO1: Be able to explain statistical ideas, methods, and results effectively to statistical and non-statistical audiences	COMM 2173 – Business and Professional Speaking MATH 4971 Senior Seminar in Mathematics (Internship / Capstone Project)	Tests, quizzes, assignments	High Pass 90-100% Pass 70-89%
PO5: **Demonstrate competence as an actuary/data analyst by mastering the career choice related skills**	LO1: Demonstrate knowledge of fundamental probability tools for quantitatively assessing risk and basic financial mathematics	STAT 3203 & 3213 – Actuarial Probability STAT 4283 & 4293 – Financial Mathematics	Tests, quizzes, assignments	High Pass 90-100% Pass 70-89%

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ARKANSAS TECH UNIVERSITY

REQUEST FOR PROGRAM CHANGE

Department Initiating Proposal	Date
Department of Mathematics and Statistics	6/10/2021

Title	Signature	Date
Department Head Dr. Jeanine Myers	Jeanine L Myers	6/21/21
Dean Dr. Jeff Robertson	Jeff W Robertson	2021 June 22
Assessment Dr. Christine Austin		9.13.21
Registrar Ms. Tammy Weaver	Tammy Weaver	9/14/21
Graduate Dean (Graduate Proposals Only)		
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Committee	Approval Date
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Curriculum Committee (Undergraduate Proposals Only)	
Faculty Senate (Undergraduate Proposals Only)	
Graduate Council (Graduate Proposals Only)	

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Program Title:
Bachelor of Science in Applied Statistics: Data Science option

Outline change in program: (e.g., list changes in program such as (1) delete three hours of elective and (2) add three hours of approved major electives)

(1) Delete General Elective in Semester 1 (3)
(2) In Semester 2, delete *STAT 2303 Statistical Methods*, add *STAT 2163 Introduction to Statistical Methods*
(4) ~~(3)~~ Add STAT 2304 Programming Language for Data Science
~~(4) Move STAT 3153 Applied Statistics (originally in Semester 3) to Semester 4~~
(5) ~~(5) Delete MATH/STAT Elective in Semester 3~~ Elective^3 - 3 hours
(6) ~~(6)~~ Delete MATH 3243 Differential Equations
(7) ~~(7)~~ Add STAT 4383 Machine Learning to Semester 7
(8) change 3 hours Elective^3 to MATH/STAT Elective^3

What impact will the change have on staffing, on other programs and space allocation?

No significant impact

Answer the following Assessment questions:

a. How does the program change align with the university mission?

The proposed program change supports the University's mission by providing training in more applied statistical modelling techniques and machine learning methods, which has growing demand statewide and nationwide. By emphasizing applied statistics data analytics skills, programming skills necessary for any data-related professions, machine learning technique essential for functioning as a data scientist, it will enhance the students' marketability in work force.

b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable.

Not applicable

c. What is the rationale for this program change?
   1. How will the program change impact learning for students enrolled in this program?

As mentioned in part d below, DART will establish a statewide data science educational ecosystem in the State. Both the 2-year and 4-year universities and colleges in the State are designing and offering the data science courses to ensure broad participation to impact the stats' pipeline of data science skilled workers.

STAT 2304 Programming Language for Data Science and STAT 4383 Machine Learning are the courses designed for this purpose. The courses will equip students in this program (or more broadly, in relevant STEM or business fields) with essential programming skills and essential machine learning knowledge. The student with these skills will be competitive in the workforce.

   2. Provide an example or examples of student learning assessment evidence which supports the changes in the program.

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In the World Economic Forum's The Future of Jobs Report 2020 (Oct. 2020), the top three jobs with increasing demand across industries all fall under the data and analytics umbrella. There is a growing need for qualified professionals with data analytics skills as the ever-increasing amounts of data collected has been collected in business, industry, and government. Mastering programming skills using Python and R and understanding machine learning methods are two essential skillsets. The changes in the program, by adding STAT 2304 Programming Language for Data Science and STAT 4383 Machine Learning, are made with current employer needs in demand and to develop individuals to serve in the data science and data analytics related workforce.

d. How does this program fit in the current state of the discipline? Include Arkansas institutional comparisons. If Arkansas educational institutions do not have the course or program provide comparative examples from regional educational institutions.

July 1, 2020 marked the first day of a five-year statewide collaborative research project, 'Data Analytics that are Robust and Trust: From Smart Curation to Socially Aware Decision Making (DART)', in Arkansas. This project was funded by NSF EPSCoR at $20M and included a $4M match from the State.
Data science education is one of the six broad area of expertise in DART. DART will establish a statewide data science educational ecosystem, and ensure broad participation to impact the stats' pipeline of data science skilled workers. Both 2-year or 4-year universities and colleges are working collaboratively to establish Data Science programs for each institution.

There are several colleges and universities in Arkansas has started, or will launch the similar programs soon. Below is a list of the similar majors which has started:

- University of Arkansas, Fayetteville
  B.S. in Data Science
- University of Central Arkansas
  B.S. in Computer Science, Data Science
  B.S. in Mathematics, Data Science
- Arkansas State University
  B.S. in Data Science and Data Analytics

e. Attach a detailed assessment plan including three to five specific program student learning outcomes, means or instructional measures to assess each outcome, identify program courses where learning will be assessed, and performance standards or criteria for success which demonstrate student learning for each outcome. (Examples for assessment plans/curriculum mapping can be found at the Office of Assessment and Institutional Effectiveness web page.)

If this course will affect other departments, a Departmental Support Form for each affected department must be attached. The form is located on the Curriculum forms web page at http://www.atu.edu/registrar/curriculum_forms.php.

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In the attached matrix, include requested changes in the matrix and include course number and title.

Curriculum Matrix for Catalog Curriculum in____ Applied Statistics: Actuarial Science option _____ (enter title for program changing)	
Freshman Fall Semester Add/Change: Delete: General Elective Total Hours: 14	Freshman Spring Semester Add/Change: STAT 2163 Introduction to Statistical Methods Delete: STAT 2303 Statistical Methods Total Hours: 16
Sophomore Fall Semester Add/Change: STAT 2304 Programming Language for Data Science Delete: ~~MATH/STAT Elective~~ Elective ^{3} – 3 hours STAT 3153 Applied Statistics Total Hours: 14	Sophomore Spring Semester Add/Change: Change Elective ^{3} to MATH/STAT Elective ^{3} STAT 3153 Applied Statistics Delete: MATH 3243 Differential Equation I Total Hours: 16
Junior Fall Semester Add/Change: Delete: Total Hours: 16	Junior Spring Semester Add/Change: Delete: Total Hours: 16
Senior Fall Semester Add/Change: STAT 4383 Machine Learning Delete: Total Hours: 15	Senior Spring Semester Add/Change: Delete: Total Hours: 13

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Describe specified learning outcomes and course examination procedures.

Arkansas Tech University
Academic Cycle: Program Change Data
Program: Bachelor of Science in Applied Statistics with ~~Actuarial~~ Science Option

Program Objectives/Standards (align with mission)	Learning Objectives/ Outcome Assessment (3-5 unless otherwise specified)	Courses (program core)	Means of Assessment (direct and indirect measures)	Criteria for Success (performance standard)
PO1: **Have solid background in mathematics, probability, and statistical theory**	LO1: Demonstrate competence with mathematical skills needed for statistics, including calculus foundations, linear algebra, symbolic and abstract thinking LO2: Demonstrate understanding of the fundamentals of probability and statistical theory	MATH 2914, 2924, 2934 – Calculus I-III MATH 4003 – Linear Algebra MATH 2703 – Discrete Math STAT 3153 – Applied Statistics STAT 4163 – Mathematical Statistics	Tests, quizzes, assignments	High Pass 90-100% Pass 70-89%
PO2: **Demonstrate good working knowledge of the most commonly used statistical methods and design of studies**	LO1: Have good understanding of exploratory data analysis, basic statistical inference, and limitations of the procedures	STAT 2163 - Introduction to Statistical Methods	Tests, quizzes, assignments; hands-on projects	High Pass 90-100% Pass 70-89%

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	LO2: Demonstrate knowledge of efficient design and analysis of experiments for standard situations LO3: Be able to apply appropriate statistical or computational modeling tools to analyze data, interpret the results with proper scope of conclusions	STAT 4153 – Experimental Design and Analysis STAT 3113 – Regression Analysis STAT 4113 – Categorical Data Analysis STAT 4393 – Statistical Learning STAT 4383 – Machine Learning		
PO3: **Have good mastery of statistical computing skills and computer programming ability to manage and analyze data**	LO1: Understand the basic programming algorithms and logic LO2: Implement professional software packages for statistical computing and demonstrate competence in with database	STAT 2304 – Programming Language for Data Science COMS 2104 – Foundations of Computer Programming I STAT 4393 – Statistical Learning BUAD 2003 – Business Information Systems	Tests, quizzes, hands-on assignments	High Pass 90-100% Pass 70-89%

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	management	STAT 4383 – Machine Learning		
PO4: **Communicate effectively (written and oral) with skills in collaboration (within and between disciplines) and teamwork**	LO1: Be able to explain statistical ideas, methods, and results effectively to statistical and non-statistical audiences	STAT 2163 – Introduction to Statistical Methods COMM 2173 – Business and Professional Speaking MATH 4971 Senior Seminar in Mathematics (Internship / Capstone Project)	Tests, quizzes, assignments	High Pass 90-100% Pass 70-89%
PO5: **Demonstrate competence as an actuary/data analyst by mastering the career choice related skills**	LO1: Be able to implement various statistical tools for quality monitoring commonly used in industry	STAT 3183 – Statistical Process Control	Tests, quizzes, assignments	High Pass 90-100% Pass 70-89%

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