#### CURRICULUM COMMITTEE NOVEMBER 28, 2023/FACULTY SENATE DECEMBER 6, 2023

College of Arts & Humanities - Department of English & World Languages

1. Delete the Accelerated BA World Language with Concentration in Spanish Education for Teacher Licensure to MA Teaching English to Speakers of Other Languages.

College of Science, Technology, Engineering, and Mathematics – Department of Engineering and Computing Sciences

- 1. Modify the prerequisites for COMS 2163: Scripting Languages;
- 2. Modify the prerequisites for COMS 3373: Data Center Operations;
- 3. Modify the prerequisites for CSEC 4213: Information Systems Risk Management; and
- 4. Modify the Curriculum in Information Technology Track 1: Programming, Database, and Web.

College of Science, Technology, Engineering, and Mathematics – Department of Mathematics & Statistics

1. Delete the Minor in Mathematics.

#### **REQUEST FOR PROGRAM DELETION**

Department Initiating Proposal	Date
English and World Language	
	11-06-23

Title	Signature	Date
Department Head	Comply Hoffman	11-06-23
Dean	Jeffrey Cass	11-06-23
Assessment	119001	
Dr. Christine Austin	mill his	11-6-23
Registrar	la l	11/7/23
Ms. Tammy Weaver	Sammy led all	11/7/23
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)	

#### Program Title:

Accelerated BA World Language with Concentration in Spanish Education for Teacher Licensure to MA Teaching English to Speakers of Other Languages

#### LETTER OF NOTIFICATION

#### **Program Deletion**

Deletion of a certificate, degree program, option, or organizational unit. Degree programs and certificates can be deleted with enrolled students. However, institutions must have a phase-out plan for those students. Deleted programs and certificates will be removed from the Approved Programs List during the academic year in which the deletion takes effect.

Required Information:

Program Title:

Accelerated BA World Language with Concentration in Spanish Education for Teacher Licensure to MA Teaching English to Speakers of Other Languages

Degree code

1445

CIP code

1313.06

Effective date, term, and academic year

Fall, 2024, AY 24-25

Reason for deletion

Program has appeared repeatedly on non-viability report, insufficient number of graduates per academic year, principally due to failure to pass Praxis. There are currently no students pursuing the Accelerated BA World Language with Concentration in Spanish Education for Teacher Licensure to MA TESOL.



#### COSMETIC COURSE CHANGE

Department Initiating Proposal	Date
Engineering and Computing Sciences	10/26/2023

Title	Signature	Date
Department Head Dr. John Krohn	John L. Krohn	10/26/2023
Dean Dr. John Jackson	John Jackson	10/26/23

Course Subject: (e.g., ACCT, ENGL)
COMS

Course Number: (e.g., 1003)
2163

Official Catalog Title: Scripting Languages

Describe the change you want to make: (e.g., delete the prerequisite, modify the course description)

Change this portion of the preq requirement: "a minimum of 3 hour programming course" to "COMS 2203"

NOTE: Leave the COMS 1333 prereq

(So, prereq should read: COMS 1333 and COMS 2203)

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. Explain the rationale for the cosmetic course change. Modern web scripting languages use precompiled frameworks. These frameworks continue to be built upon languages such as PHP and Python. These modern languages and frameworks use dynamic object-oriented approaches to save time and reduce repeat code. With this in mind, adding COMS 2203 Prog II prereq to COMS 2163 will ensure that students have experience with the concept of object-oriented programming.

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 <a href="http://www.atu.edu/registrar/curriculum forms.php">http://www.atu.edu/registrar/curriculum forms.php</a>. n/a



#### COSMETIC COURSE CHANGE

Department Initiating Proposal	Date
Engineering and Computing Sciences	10/26/2023

Title	Signature	Date
Department Head Dr. John Krohn	John L. Krohn	10/26/2023
Dean Dr. John Jackson	John Jackson	10/26/2023

Course Subject: (e.g., ACCT, ENGL)
COMS

Course Number: (e.g., 1003)
3373

# Official Catalog Title: **Data Center Operations**

Describe the change you want to make: (e.g., delete the prerequisite, modify the

course description)
Add prereq: CSEC 2223

NOTE: Leave the COMS 3363 prereq

(So, prereg should read: CSEC 2223 and COMS 3363)

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. Explain the rationale for the cosmetic course change. In the current Enterprise environment for data centers, all workloads that can be virtualized, are. This includes virtualizing the machines themselves as well as the network and network functions such as routing and switching. A strong grasp of basic virtualization is required to study more advanced topics such as network function virtualization and cloud computing.

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 <a href="http://www.atu.edu/registrar/curriculum forms.php">http://www.atu.edu/registrar/curriculum forms.php</a>. n/a



#### COSMETIC COURSE CHANGE

Department Initiating Proposal	Date
Engineering and Computing Sciences	10/26/2023

Title	Signature	Date
Department Head Dr. John Krohn	John L. Krohn	10/26/2023
Dean Dr. John Jackson	John Jackson	10/26/23

Course Subject: (e.g., ACCT, ENGL)
CSEC
Course Number: (e.g., 1003)
4213

Official Catalog Title:

**Information Systems Risk Management** 

Describe the change you want to make: (e.g., delete the prerequisite, modify the course description)

Remove preregs: CSEC 2113 and CSEC 3233

Replace with: Junior standing in cybersecurity or related degree

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. Explain the rationale for the cosmetic course change. The original plan for this course was that students would need the technical skills from Cyber Defense II, but the course is taking a higher-level approach, so students only need to be able to talk about implementing controls, not implement them into a system. In addition, by removing the strict course preregs, this will open up this course as an elective for other majors.

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 <a href="http://www.atu.edu/registrar/curriculum">http://www.atu.edu/registrar/curriculum</a> forms.php. n/a

# Modify Previously Approved Proposal



# ARKANSAS TECH UNIVERSITY

#### COSMETIC PROGRAM CHANGE

Department Initiating Proposal	Date
Engineering and Computing Sciences	40/00/0000
	10/26/2023

Title	Signature	Date
Department Head Dr. John Krohn	John L. Krohn	10/26/2023
Dean Dr. John Jackson	John Jackson	10/26/23

#### PROGRAM TITLE:

# BS Information Technology - Track / Programming, web,

Outline change in program: (reorganization of courses listed in matrix, adding a footnote to a course, adding or deleting a course from a list, etc.)

Small reorganization of courses in matrix (due to prereq change)

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. Explain the rationale for the cosmetic course change. **Due to a prereq** change, one course needs to be moved from sem 3 to sem 4.

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 <a href="http://www.atu.edu/registrar/curriculum\_forms.php">http://www.atu.edu/registrar/curriculum\_forms.php</a>. n/a

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

#### **Curriculum Matrix for Catalog** Curriculum in BS in Information Technology - Track 1 (Programming, Web, Database) Freshman Fall Semester Freshman Spring Semester Add/Change: Add/Change: Delete: Delete: Total Hours: Total Hours: Sophomore Spring Semester Sophomore Fall Semester Add/Change: Add/Change: Elective - 3 hrs COMS 2163 Scripting Languages Delete: Delete: Elective - 3 hrs COMS 2163 Scripting Languages Total Hours: 16 Total Hours: 15 Junior Fall Semester Junior Spring Semester Add/Change: Add/Change: Delete: Delete: Total Hours: **Total Hours:** Senior Fall Semester Senior Spring Semester Add/Change: Add/Change: Delete: Delete: Total Hours: Total Hours:

Tota	I Program Hours



# Previously Approved ARKANSAS TECH

#### **REQUEST FOR PROGRAM CHANGE**

Department Initiating Proposal	Date
Engineering and Computing Sciences	6-16-23

Title	Signature	Date
Department Head	John L. Krohn	6/20/2023
Dean	My Z Cyse	6/20/2023
Assessment	his he	8.29.23
Registrar	Yammy Mealer	8129143
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 Propo	osals)	
Curriculum Committee (Undergraduate Proposals Only)	appedu	9/26/23
Faculty Senate (Undergraduate Proposals Only)	appe Yw	10/10/23
Graduate Council (Graduate Proposals Only)		

Program Title:

Bachelor of Science in Information Technology Track 1: Programming, Database, and Web

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)

- Delete COMS 2713 Survey of Operating Systems (3 hrs)
- Delete Approved 3-4xxx elective (3 hrs)
- Add [general] Elective (3 hrs)
- Add COMS 3363 Server Administration (3 hrs)
- · Delete Footnote 5 for Coms 3703

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? To aid in student success, the department tries to keep both tracks in Information Technology as similar as possible. Because COMS 2713 is being deleted from IT Track 2, it is being deleted from IT Track 1 as well. Some of the information from this course is being added to COMS 3363, hence the addition of that course to this curriculum (and again, required of both tracks).
- b. If this change in the program is mandated by an accrediting or certifying agency, include the directive. If not, state not applicable. n/a
- c. What is the rationale for this program change? As mentioned above, to keep both IT tracks as closely aligned as possible
  - 1. How will the program change impact learning for students enrolled in this program?

    This change actually gives the student more choices for a general elective
  - 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. n/a
- 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 plan for IT Track 1 has not changed; current plan on file with Assessment Office.

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 <a href="http://www.atu.edu/registrar/curriculum">http://www.atu.edu/registrar/curriculum</a> forms.php.

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

Curriculum Matrix for Catalog				
Curriculum in Bachelor of Science in Information Technology Track 2: Network and Security				
Freshman Fall Semester	Freshman Spring Semester			
Add/Change:	Add/Change:			
Delete:	Delete:			
Total Hours:	Total Hours:			
Sophomore Fall Semester	Sophomore Spring Semester			
Add/Change:	Add/Change: Change footnote 6 to Footnote 5 ForComm 2173 Elective (3 hrs)			
Delete:	Delete:			
Total Hours:	COMS 2713 Survey of Operating Systems 5 Delete Footnote 5 for Coms 3763 Total Hours: 15			
Junior Fall Semester	Junior Spring Semester			
Add/Change:	Add/Change:			
Delete:	Delete:			
Total Hours:	Total Hours:			
Senior Fall Semester	Senior Spring Semester			
Add/Change:	Add/Change:			
COMS 3363 Server Administration				
Delete:	Delete:			
Approved 3-4xxx elective				
Total Hours: 15	Total Hours:			

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#### General Information

#### Navigate this section:

Introduction

Academic Calendar

Administration & Faculty

Programs of Study

Admission

**ACTS Course Transfer System** 

Fees & Expenses

Student Affairs Operations

Financial Aid

Scholarships

Regulations & Procedures

**Graduation Requirements** 

General Education Requirements

**University Honors** 

**College Distinction** 

Military Science

Catalog PDF 🐧

# **Bachelor of Science in Information Technology**

DEPARTMENT HOMEPAGE

The program in information technology prepares students for careers in administering and supporting the computing infrastructures of an organization. The curriculum consists of an integrated set of courses in networking, web development and administration, database development and administration, systems administration, and computer forensics.

#### **Curriculum Track 1:**

## Programming, Database, and Web

Both matrices below are sample plans for all coursework required for Track 1 and Track 2.

#### Freshman

Fall	Credits	Spring	Credits
ENGL 1013 Composition I <sup>1</sup>	3	ENGL 1023 Composition II 1	3
MATH 1113 College Algebra <sup>2</sup>	3	MATH 2243 Calculus for Business and	3
CSEC 1003 Introduction to	3	Economics <sup>4</sup> COMS 1011	4
Cybersecurity  TECH 1001  Orientation to the  University 3	1	Programming Foundations I Lab and COMS 1013 Programming Foundations I	
CSEC 1113 Introduction to Networking	3	SS 1XXX Social Science Courses	3
COMS 1333 Web and Mobile Technologies	3	COMS 2703 Computer Hardware and Architecture	3
Total Hours	16	Total Hours	16

#### Sophomore

Fall	Credits		
SCIL 1XXX Science with Laboratory 1	4	Spring  COMM 2173 Business	Credits
COMS 2203 Programming	3	and Professional  Speaking  5	
Foundations II		COMS 2213 Data	3
ENGL 2053 Technical	3	Structures	
Writing		STAT 2163 Introduction to	3
MATH 2703 Discrete Mathematics	3	Statistical Methods	
COMS 2163 Scripting	3	COMS 2323 Programming in	3
Elective Total Hours	16	Python Elective COMS 273 Survey of	3
		Operating Systems COMS 2163 Total Hours	15

#### Junior

Fall	Credits	Spring	Credits
SCIL 1XXX Science with Laboratory <sup>1</sup>	4	FAH 1XXX Fine Arts and Humanities	3
COMS 3233 Database	3	Courses 1	
Design and Implementation		COMS 3053 Ethical Issues in Technology	3
COMS 3413 App Development	3	COMS 3163 Web Programming	3
COMS 3523 Human Factors in	3	COMS 3243 Data Mining	3
Information Technology		Approved 3000-4000 level Elective	3
Approved 3000-4000 level Elective	2	Total Hours	15
Total Hours	15		

Senior			~
COMS 3363 Fall	3 Credits	Spring	Credits
SS 1XXX Social Science Courses 1	3	FAH IXXX Fine Arts and Humanities Courses <sup>1</sup>	3
USHG 1XXX U.S. <u>History and</u> Government <sup>1</sup>	3	COMS 4213 Database Administration	3
COMS 4033 Information Systems	3	COMS 4923 Capstone	3
Analysis and Design  COMS 4913 Capstone I	3	Approved 3000-4000 level Elective	3
Approved 3000-4000 lovel Elective	<del>+3</del>	Total Hours	12
Total Hours	15		

### **Curriculum Track 2: Network and Security**

#### Freshman

Fall	Credits	Spring	Credits
ENGL 1013 Composition I	3	ENGL 1023 Composition II <sup>1</sup>	3
MATH 1113 College Algebra <sup>2</sup>	3	MATH 2243 Calculus for Business and	3
CSEC 1003 Introduction to	3	Economics <sup>4</sup> COMS 1011	4
Cybersecurity TECH 1001 Orientation to the University 3	1	Programming Foundations I Lab and COMS 1013 Programming Foundations I	
CSEC 1113 Introduction to Networking	3	COMS 2703 Computer Hardware and Architecture	3
COMS 1333 Web and Mobile Technologies	3	SS 1XXX Social Science Courses 1	3
Total Hours	16	Total Hours	16

## **DEGREE AUDIT CHECK LIST**

(BS-ITP) Information Technology Programming, Database, & Web

Date			Student	's Name	
Grade Point Graduation Date		T#			
General E	Education Requirements	Hrs		Major Requirements	Hr
ENGL#	1013/1043 & 1023/1053	6	COMS	1011 1013 1333 2163 2203 2213 2323	
MATH#		0		2703 (2 <del>713 or 3703</del> ) 3053 3163 3233	
SCIENCE		4	3363	3243 3523 3413 4033 4213 4913 4923	55
SCIENCE		4	CSEC	1003 1113	6
US HIST/GOVT		3			
SOC SCI		3			
SOC SCI		3	сомм	2173** or 2003	3
FINE ART/HUM		3	ENGL	2053	3
FINE ART/HUM		3	MATH	1113#** (2243 or 2914) 2703	9
СОММ		0	STAT	2163	3
TECH 1001 ◆		1		Approved Electives 3XXX - 4XXX	1
TOTAL GEN EI	) HOURS	30			
Electives					
		3		TOTAL MAJOR HOURS	-90
OTAL ELECT	IVE HOURS	-0		TOTAL HOURS	
inal Check:	Min. hours required	120		Earned Hrs	
	40 hours upper level # of "D" hours	thru thru		minus P/C HRS to be completed	
	Max activity hours 4			TOTAL	

\*\* Satisfying Gen Ed

Satisfying Institutional Requirement# C or better must be earned for Gen Ed



#### **REQUEST FOR DELETION OF MINOR**

Department Initiating Proposal	Date
Department of Mathematics and Statistics	
	10-15-2023

Title	Signature	Date
Department Head	3	10-15-2023
Dean	John Jackson	10/18/2023
Assessment	0/1-21	//
Dr. Christine Austin	/m/3/ht	10/19/23
Registrar	5 1 2 .	val a l va
Ms. Tammy Weaver	Ghiami	10/19/23
Vice President for Academic Affairs		
Dr. Julie Furst-Bowe		

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 Mathematics			

- 1. What is the last term the minor will be awarded? The minor will be awarded in spring 2024 for the last time.
- 2. Number of students still enrolled in program:
  There are 132 students are currently enrolled in the minor. However, all of the remaining ones after the termination of the minor will be moved to the new certificate program.
- 3. Reason for deletion and evidence to support action:
  A certificate of proficiency in math will replace this minor. The certificate is almost identical and, in some sense, more easily accessible to students. All the current students in the minor will be moved to the new certificate program.