

Approval Chart for Curriculum ChangesA = Approve I= Information Item¹ R= Advise & Respond²Course Number MATW 123 or Degree Plan(s) _____

State the requested change and reason. A memo may be attached if more space is necessary.

See attached.

Circle the number that corresponds to the requested change. Degree plan changes are on the second page.

		COUNCIL ³								
	Change to a Course	Dept./School	College Academic	Deans	TEC	UGEC	UUAC	GRAD	Provost	President
1.	Title (description unchanged)	A	A	A	I				I	I
2.	Description (not affecting content)	A	A	A	I				I	I
3.	Content (substantive change)	A	A	A	I				A	A
4.	Number of hours (lecture, lab, contact)	A	A	A	A				A	A
5.	Course number within the hundred	A	A	I	I				I	I
6.	Course number beyond the hundred	A	A	A	A				A	A
7.	Prerequisites	A	A	A	I				I	I
8.	Course fee(s)	A	--	A	--				A	I
9.	From U to G or G to U	A	A	A	A				A	A
10.	Cross list with another department: U or G level	A	A	A	A				A	A
11.	Department of record	A	A	A	A				A	A
12.	Open or close a course	A	A	A	A				A	A
13.	New course — See website for application and process. This change includes combining or splitting a course(s).	A	A	A	A				A	A

Note: When an academic unit does not have a council, the UGEC and/or UUAC will serve as its academic council, depending on the nature of the issue.

Approval Chart for Curriculum Changes

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		COUNCIL ³							Board of Trustees
Change to a Degree Plan		Dept./School	College Academic	Deans	TEC	UGEC	UUAC	GRAD	
1.	University Requirements — Change in approved course content ⁶	A	A	A		A			--
2.	University Requirements — Add or drop a required course from the University Requirements chart ⁶	A	A	A		A			--
3.	University Requirements — Add or drop a course from a menu within the University Requirements ⁶	A	A	A		A			--
4.	University Requirements — Change hours within a menu on the University Requirements chart ⁶	A	A	A		A			--
5.	Major — Revision of major ^{4,5}	A	A	A		A			--
6.	Major — Adopt or change admission requirements	A	A	A		A			--
7.	Major — Add ^{4,5}	A	A	A		A			I
8.	Major — Discontinue (proposed by the department or college)	A	A	A		A			I
9.	Major — Discontinue (proposed by the Provost)	See below.							
10.	GPA — Revise major or cumulative requirement	A	A	A		A			--
11.	Minor — Revise course selection	A	A	A		I			--
12.	Minor — Add	A	A	A		A			--
13.	Minor — Discontinue (proposed by the department or college)	A	A	A		A			--
14.	Minor — Discontinue (proposed by the Provost)	See below.							
15.	Degree — Add	A	A	A		A			I
16.	Degree — Discontinue (proposed by the department or college)	A	A	A		A			I
17.	Degree — Discontinue (proposed by the Provost)	See below.							
18.	Any change to a graduate degree program	A	A	A		A			--

		COUNCIL ³							Board of Trustees
Provost-Proposed Change		Provost	Department	Dean	TEC	UUAC	Graduate	Faculty	
1.	Major/Graduate Program — Discontinue (proposed by the Provost)	A	R	R		A		A	I
2.	Minor — Discontinue (proposed by the Provost)	A	R	R		A		--	--
3.	Degree — Discontinue (proposed by the Provost)	A	R	R		A		A	I

Approval Chart for Curriculum Changes

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COUNCIL ³										
	Change to the Catalog Information	Dept./School	College Academic	Deans	UGEC	UUAC	GRAD	Provost	Faculty	President
1.	General requirements for graduation including course requirements that are common to all majors for all degrees ⁷	--	--	--	A			A	A	A
2.	Admission requirements	--	--	--	A			A	A	A
3.	Policies governing academic probation and suspension	--	--	--	A			A	A	A
4.	Requirements for graduating with honors	--	--	--	A			A	A	A
5.	Other academic policy changes	--	--	--	A			A	--	A

¹ Councils may request additional information about “Information” items. These items are approved as “Consent Agenda.”

² The Dean and Department should respond to the Provost’s recommendation to close a program in writing. Advise & Respond (R) requires that the voting body should receive the written responses at least one week prior to the vote.

³ All courses that meet University Requirements for general education must go through UGEC. Courses or degrees offered only to students seeking teacher certification must go through the Teacher Education Council. All undergraduate changes must go before the UUAC. All graduate degree plan changes must go through the Graduate Council.

⁴ A minimum of 30 hours is required for a major. A maximum is specified for each degree (e.g., BA, BS). The university minimum for elective hours is 6, unless the requirements of external accrediting bodies make it impossible.

⁵ Program or course changes that apply to any major that includes Teacher Certification will be reviewed by the college, the Teacher Education Council (TEC), and then the UUAC.

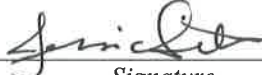
⁶ Courses that satisfy ACU’s University Requirements (General Education) will normally have lower-level numbering, be free of prerequisites and co-requisites, appeal to more than one or two majors, and “not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession” (SACS 2.7.3). Departments may request exceptions to the first three criteria.

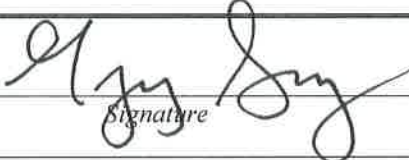
⁷ The UUAC approved the clarification that “general requirements for graduation” means the enumerated items in the “General Requirements for Bachelor’s Degrees” section of the catalog.

Revised 10-16-13

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
 Signature	08/30/2016 Approval date
_____ Signature	_____ Approval date

College Academic Council(s)	
 Signature	9.16.16 Approval date
_____ Signature	_____ Approval date

Dean(s)	
 Signature	9/22/16 Approval date
_____ Signature	_____ Approval date

Teacher Education Council	
_____ Chair's signature	_____ Approval date

General Education Council	
_____ Chair's signature	_____ Approval date

Undergraduate Academic Council	
_____ Chair's signature	_____ Approval date

Graduate Council	
_____ Chair's signature	_____ Approval date

Provost	
_____ Signature	_____ Approval date

Faculty	
_____ Chair of faculty senate	_____ Approval date

President	
_____ Signature	_____ Approval date

MATW 123

We propose to change the number of laboratory hours for a section of MATH 123. This section of MATH 123 will be called MATW 123 (Elementary Statistics) that will be offered every fall and spring semester. This course will be the same as MATH 123, except that this course will have an embedded workshop.

Rationale

Currently students who are just below the placement into MATH 123 are required to enroll in MATW 019 before they can enroll in MATH 123. By having a workshop section (MATW), we will be able to have students complete their mathematics requirement without the need for a developmental course and we will be able to provide additional instruction and support to these students through the two hour embedded workshop.

The increasing number of students who are required to take a statistics course drives the need for this course. We average over 200 students a year in two or three sections of MATH 123. Large sections of MATH 123, while highly efficient, do not meet the needs of students who have struggled with mathematics. Over the past several years, 10–20 students per semester could have benefitted from a MATW 123 section.

The learning objectives for this section are the same as the learning objectives for MATH 123.

Competencies	Measurement Instrument	Measurement Standard
The student is able to organize raw data and produce a graphical representation of the data using appropriate methods.	Tests, quizzes, and homework	• constructs frequency and relative frequency distributions • draws histograms and scatterplots • constructs box and whisker plots
The student is able to do statistical computations and interpret the results.	Tests, quizzes, and homework	• computes estimates of population parameters • computes appropriate margins of error • compares data from multiple populations
The student is able to compute simple <i>a priori</i> probabilities, as well as compound probabilities.	Tests, quizzes, and homework	• calculates probabilities for compound events • constructs two-way tables • uses formulas and technology to compute probabilities from common distributions
The student is able to produce estimates for and test claims about population parameters.	Tests, quizzes, and homework	• checks the assumptions for various statistical procedures • constructs confidence intervals • performs hypothesis tests
The student is able to demonstrate an understanding of organizing, conducting, and interpreting a statistical.	Tests, quizzes, and homework	• identifies the type of sampling procedure used in a study • identifies potential sources of bias

The prerequisites for this section will be the same as the prerequisites for MATW 120 and MATW 130. These prerequisites are the following:

- MATH SAT (prior to March 1, 2016) score of 400-490;
- MATH SAT (after March 1, 2016) score of 440-520;
- MATH ACT score of 17-19;
- mathematics placement into MATW 123; or
- a passing grade in MATW 019.

The course description for MATW 123 is essentially the same as the course description for MATH 123. The only difference will be the prerequisites and a statement about the embedded workshop for MATW 123.

MATW 123 Elementary Statistics (3-2-3), fall, spring. Collection, presentation, analysis and interpretation of data, and probability. Analysis includes descriptive statistics, confidence intervals, hypothesis testing, correlation and regression. Includes an embedded workshop. Prerequisite: Meet one of the following – MATH SAT (prior to March 1, 2016) score of 400-490; MATH SAT (after March 1, 2016) score of 440-520; MATH ACT score of 17-19; MATW 019; or math placement testing into MATW 123. Will satisfy University Requirements.

We also have a change that we propose to make for the 2020–21 catalog. This change is to update the prerequisites for the course. By fall of 2020, few students should have old SAT scores so we propose dropping the two different SAT prerequisites and have only the new SAT requirement.

MATW 123 Elementary Statistics (3-2-3), fall, spring. Collection, presentation, analysis and interpretation of data, and probability. Analysis includes descriptive statistics, confidence intervals, hypothesis testing, correlation and regression. Includes an embedded workshop. Prerequisite: Meet one of the following – ~~MATH SAT (prior to March 1, 2016) score of 400-490;~~ MATH SAT (after March 1, 2016) score of 440-520; MATH ACT score of 17-19; MATW 019; or math placement testing into MATW 123. Will satisfy University Requirements.