Request for New Course

(Undergraduate Course Numbers through Course Number 699)

Department: SOc   College: COT

Submission Date: 1/18/2019

Contact Person: Denie Bertoncino

☒ Faculty member ☐ Chair

Is this new course proposal related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
The new textiles course in Interior Design does not exist anywhere else on this campus. A textiles course relating to fashion has been removed from Family and Consumer Sciences. Emails with the Chair of FCS, Dr. Duane Whitbeck are attached. See justification below.

Proposed Course:
Course Number: IND 356

Title of Course: Textiles

Credit Hours: 3

Date first offered: Fall 2019   ☒ Fall ☐ Spring ☐ Summer
        (Semester/Year)   (check all that apply)

Prerequisite: N/A

Course Description (as it will appear in the next catalog): This course is designed for students whose career direction will require knowledge of textiles as apart of the professional prerequisites of the industry. Content will include terminology, characteristics, care, codes, performance criteria, and applications for both residential and non-residential interior environments.

Purpose/Justification for Proposed Course: The Family and Consumer Sciences Department currently has a course titled FCS 356 Textiles. FCS is making the Fashion Merchandising Emphasis inactive after fall 2018. Interior Design students have taken the FCS textiles course as a part of their major. With the FCS textiles course no longer being an option, interior design needs to add a textiles course to the curriculum. This course will be geared towards interiors instead of fashion which is pertinent to the interior design education and future CIDA accreditation.

Objectives/Student Learning Outcomes (as it will appear in the syllabus)
1. Identify and describe characteristics of natural fibers, manufactured fibers, yarns, finishes, and fabric construction.
2. Evaluate code requirements, test results, and select appropriate fabrics for specific Interior Design applications.
3. Interpret fabric care and labeling information.
4. Conduct research on selected topics relating to textiles.
5. Prepare presentations using fabric sources and the internet
6. Identify various fabric constructions.
7. Classify textiles by characteristics/qualities, and predit the performance of those textiles based on the construction components.
8. Identify methods to improve sustainability during the production, use, care and disposal of textile products.

Assessment Strategies [e.g., exams, projects, university rubric, etc. (as it will appear in the syllabus)]
Course grades will be based on the following:
Swatch book 50%
Quizzes 20%
Special Project 25%
Group Project 5%

Syllabus is attached.

If you wish to attach a syllabus, you may attach it to the end of this document as part of the packet.

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>0</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:
   <u>NA</u>

3. Is this course to be considered for General Education? ☐ Yes   ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

   _____

   Please realize that it will need to gain approval of the General Education Committee.

4. Will this course be required of any education majors? ☐ Yes   ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this course (e.g. staffing, equipment, etc.)?
   <u>$2500 for part-time adjunct - pd from SOC funds</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ **Approved: Department Chairperson**
Date 3,1,19 Signature, Department Chairperson

☐ **Approved: College Curriculum Committee**
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ **Approved: Dean of College**
Date 4.10.19 Signature, Dean

☐ **Approved: General Education Committee (if applicable)**
Date _____ Signature, General Education Committee Chair _____

☐ **Approved: Council for Teacher Education (if applicable)**
Date _____ Signature, Council for Teacher Education Chair _____

☒ **Approved: Faculty Senate University Undergraduate Curriculum Committee**
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair

☐ **Approved: Faculty Senate**
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

Please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Please Note: This is a 2-3 month process, at least, and is designed to eliminate questions and concerns at the beginning of the process. Any questions/concerns not addressed prior to the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee may result in an additional month added to the process.

Course Title: 19WF-IND-356 – Textiles

Course Schedule: 1.5 hour, twice weekly (Time/location to be determined)

Instructor: Mary Wehrman
Office: KTC E106c
Email: mwehrman@pittstate.edu   Phone: (620)-235-4630

Course Description: This course is designed for students whose career direction will require knowledge of textiles as part of the professional prerequisites of the industry. Content will include terminology, characteristics, care, codes, performance criteria, and applications for both residential and non-residential interior environments.

Proposed Textbooks/Materials Required:
Kadolph S. J. (2010). Textiles 11th Edition Upper Saddle River, NJ: Prentice Hall (or newer version if available).
Swatch Book/2" three ring binder
Additional online resources as assigned in class

Course Objectives:
- Identify and describe characteristics of natural fibers, manufactured fibers, yarns, finishes, and fabric construction.
- Evaluate code requirements, test results, and select appropriate fabrics for specific Interior Design applications.
- Interpret fabric care and labeling information
- Conduct research on selected topics relating to textiles
- Prepare presentations using fabric sources and the internet.
- Identify various fabric constructions.
- Classify textiles by characteristics/qualities, and predict the performance of those textiles based on the construction components.
- Identify methods to improve sustainability during the production, use, care and disposal of textiles products

Course Topics/Modules:
Fibers-natural and manufactured
Yarns
Fabrics: woven, knitted, and non-woven
Finishes: mechanical and enhancement applications
ASTM International: how standards are developed and used
Interpreting manufacturer's specifications
Use, Care, Cleaning, and Disposal of textile products

Teaching strategies: Lecture, Demonstration, Experiment, Collaborative Groups, Presentations

Tentative Schedule of Activities for IND 356 – Textiles

Week/Date	Class Content	Activity	Homework/Assignments
Module 1 Fibers Wk 1 Natural Fibers	Syllabus review Lecture-with visuals	Exploration of Fibers though deconstruction of textile samples	Find and mount samples; write description of observations.
Wk 2 Synthetic Fibers	Lecture with visuals	Exploration of Fibers though deconstruction of textile samples (cont.)	Find and mount samples; write description of observations. Compare/contrast physical properties.
Module 2 Wk 3 Yarns- filaments, plys, and twists	**Quiz 1** Lecture with visuals	Learning to identify filaments, count yarns, and twists from deconstructed samples	**Swatch book due at beginning of class - #1** Find and mount samples; write description of observations.
Wk 4 Yarns	Lecture with visuals Dyeing yarns and the ramifications.	Learning to identify filaments, count yarns, and twists from deconstructed samples (cont.)	Find and mount samples; write description of observations.
Wk 4 - Part 2 Introduction of Special Project	Small groups will work to select upholstery/wall treatments/flooring for assigned project.	Students will have several weeks to work outside of class to address their assigned situations.	Students will write a reflection paper, which discusses their selections, and the process for determining those selections.
Module 3 Wk 5 Fabrics -- Woven goods	**Quiz 2** Overview of grey goods and types of weaves.	Exploring physical properties lab	**Swatch book due at beginning of class - #4** Find and mount samples; write description of observations. Detail the physical properties.
Wk 6 **Midterm Exam**	First 30 minutes of class		
Wk 6 –Part 2 Fabrics – Knitted Goods	Overview of knitted goods and their end uses.	Exploring physical properties lab (cont.)	Find and mount samples; write description of observations. Detail the physical properties.
Wk 7 Fabrics – non-woven and industrial goods	Trip to PSU Polymer Research building	Exploring physical properties lab (cont.)	Find and mount samples; write description of observations. Detail the physical properties.

Module 4 **Wk 8** Dye or Print?	**Quiz 3** Overview of dyes, tints, and prints.	Exploring finishes lab—students will search for online examples of mechanical finishing processes	**Swatch book due at beginning of class - #3** Find and mount samples; write description of observations
Wk 9 Mechanical Finishes Applied Finishes	Overview of finishes and their intended purpose.	Exploring finishes lab—students will search for online examples of applied finishes and their purpose	Find and mount samples; write description of observations
Module 5 Wk 10 Physical Testing Standards	**Quiz 4** American Society for Testing and Materials now ASTM International (2001)	Field Trip to KTC Library to search ASTM resources	**Swatch book due at beginning of class - #4** Students will research and give a suggested scenario for each.
Wk 11 ASTM	Students will cite at least three standards, give the background of the standard, and interrupt their meaning or give examples of them as they are applied.		Add standards sample to swatch book. Work on special projects presentation.
Module 6 **Wk 12** Manufacturers Specifications	Defining technical terms. Using a series of spec samples, students will determine which samples are the most durable/colorfast/abrasion resistant options.		**Swatch book due at beginning of class - #5** Student will mount spec samples in their swatch books. Work on presentation.
Wk 13	**Quiz 5** Using a series of spec samples, students will determine which flooring and wall treatment samples are the most durable/colorfast/abrasion resistant options.		Student will mount spec samples in their swatch books. Work on presentation.
Module 7 **Wk 14**	Textile care and cleaning options.	Research cleaning options.	**Swatch book due at beginning of class - #6** Work on presentation.
Wk 15	Disposal or reuse?	Researching options	Work on presentation.
Module 8 **Wk 16** **Special Project** **Presentations**	Students will present completed special projects to the class, and answer questions.		

Attendance:
Class attendance is **required**. This course will use some lecture time, but it will also include activities, in-class assignments, team building activities, and fieldtrip experiences. As a student you will be more actively engaged in the content therefore attendance and participation will be critical to your success.

Each student will be allowed two (2) absences without penalty. No excuse is required or accepted for these two absences. For each additional absence, you will be dropped a letter grade. **It is the responsibility of the student to obtain all make up work, handouts, and assignments.** Exchange phone numbers with class members so that you have a way to find out what was discussed in class while you were absent.

Field Trips – to be announced, attendance is expected. Field trips will be local and will occur during normal class time. Meeting location will be announce in class and via Canvas, so do pay attention to those announcements.

DO's –
- Stay on top of things
- Pace yourself
- Ask questions
- Make your course work count
- Be Prepared
- Put your phone on silent or turn it off
- Be courteous
- Take notes
- Participate and contribute to collaborative groups

DON'T's –
- Spend time in class getting your beauty sleep
- Use the classroom as a dining hall
- Update your status during class
- Have your own side discussion
- Work on other classes during this class

Evaluation and Grading:
Class work is due on the assigned presentation date. Only one class period can be allowed for presentations. Late work will not be accepted.

All work must be neat and professional.

Grading System

Course grades will be based on the following:	Grade Scale:
Swatch book 50%	90-100 A
Quizzes-20%	80-89 B
Special Project 25%	70-79 C
Group Projects 5%	60-69 D
	<60 F

Special Instructions

1. Directions and instruction other than those list dint he course outline will be given as necessary.

2. Food is not allowed in class. Drinks must be in containers with a cap or lid that can be closed when not in use. Abuse of this privilege will result in it being taken away. Each student is expected to clean work area and throw away trash at the end of each class.

3. Each student is expected to do his/her own work. Copying or other forms of cheating will result in a score of "0" for that activity. Offenders will be dropped from the class roster.

4. The school of construction is committed to a policy of education equity. Accordingly, the school is committed to the support of all University policies on: Equal Opportunity Policy 2) Racial Harassment Policy 3) Sexual Harassment Policy 4) Consenting Relationships Policy 5) Nondiscrimination Policy 6) Policy on Prevention of Alcohol Abuse & Drug Use on Campus & in the workplace. Copies of these policies are available in the school of Construction Office (W223) or through the Director of Equal Opportunity, Room 218 Russ Hall , 235-4189.

5. For additional information, please review the PSU syllabus supplement – Fall 2018 at: https://www.pittstate.edu/registrar/_files/documents/syllabus-supplement-fall-2018

Zimbra   **dbertoncino@pittstate.edu**

Re: Textiles

From : Duane Whitbeck <dwhitbeck@pittstate.edu>   Thu, Apr 19, 2018 12:23 PM
Subject : Re: Textiles   📎1 attachment
    To : Denise Bertoncino <dbertoncino@pittstate.edu>

If we can swing it then yes it will eb the last time and yes there would still be
some that would need it but very few. We are hiring the person that teaches it
out of Fontbonne University tot each it for us this Fall. Good and bad is that the
university (our Dean) has stepped up and is willing to pay the person more than
the going rate of $2,100 for the course because of what others pay. The hard
part would be if this sets a standard for ever rehiring the same person to teach
the content in the future at a lower pay level. I would support you going ahead
and legislating the course.

Duane

From: "Denise Bertoncino" <dbertoncino@pittstate.edu>
To: "Duane Whitbeck" <dwhitbeck@pittstate.edu>
Sent: Thursday, April 19, 2018 11:21:49 AM
Subject: Textiles

Duane,

Will the fall of 2018 be the last time that you will be offering textiles online? I am
asking, because Jim told me I could go forward with getting an interior design
textiles course. What would be the easiest would be to just change the prefix on
the current textiles course, but the only way that I can do that is if you will not be
offering it again after this fall. If your students still need it, they could take it
from us. This would alleviate you having to pay someone out of your budget. Let
me know what your plans are so that I can figure out what to do next.

Thanks,
Denise

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"A ship is safe in harbor, but that's not what ships are for." - William G.T. Shedd

FAMILY &
CONSUMER
SCIENCES

Dr. Duane A. Whitbeck, Chair

Zimbra   dbertoncino@pittstate.edu

Re: Textiles

From : Duane Whitbeck <dwhitbeck@pittstate.edu>   Tue, Feb 20, 2018 10:12 AM
Subject : Re: Textiles   📎1 attachment
    To : Denise Bertoncino <dbertoncino@pittstate.edu>

I talked with some people at K-State. The issue there is that K-State pays their adjuncts $8,000 per 3 credit course.

Duane

From: "Denise Bertoncino" <dbertoncino@pittstate.edu>
To: "Duane Whitbeck" <dwhitbeck@pittstate.edu>
Cc: "Holly Page-sagehorn" <hpage-sagehorn@pittstate.edu>
Sent: Tuesday, February 20, 2018 10:10:38 AM
Subject: Re: Textiles

Duane,

I think that the best possible solution for this course would be online. I think the only way we are going to find someone with a masters that can teach textiles, is to find someone from outside of Pittsburg. I have briefly discussed the need for an adjunct with Jim Otter. I didn't realize that it would be within the next year, because I figured you had majors that were freshmen that you would need to finish through the program. I will discuss possibilities with Jim. I will reach out to our Leadership Council to discuss with any of the reps if they know someone with a masters. Locally, Buddy Gorentz would probably be a good candidate to ask, because he had an upholstery business for so long that he knows a lot about textiles. As far as fashion goes, I think Tim Towner taught textiles a JCCC, but I don't know if he has his masters or not. That would be a great and easy solution to the problem for one year if Lynette would go for it. The student's may have to take the textiles portion through another university.

I am sure that one of us could spend two weeks discussing interior textiles in relationship to ID. The hard part will be making sure that it fits into one of our schedules and the students that will be needing it.

The minimum that we would have that need it is 5 and the maximum would be 10.

Denise

From: "Duane Whitbeck" <dwhitbeck@pittstate.edu>
To: "Holly Page-sagehorn" <hpage-sagehorn@pittstate.edu>, "Denise Bertoncino"

Zimbra   **dbertoncino@pittstate.edu**

Textiles

From : Duane Whitbeck <dwhitbeck@pittstate.edu>   Tue, Feb 20, 2018 09:56 AM
Subject : Textiles   📎1 attachment
   To : Holly Page-sagehorn <hpage-sagehorn@pittstate.edu>,
         Denise Bertoncino <dbertoncino@pittstate.edu>

Holly & Denise,
I am working on a teach out plan for the courses in the Fashion Merchandising
program. As you know this will impact the Interior Design Students who need
Textiles. We are thinking that we will teach Textiles one more time this year and
that we would not be teaching it after this year. I have to propose how each
course will be taught and textiles is one I am struggling with.
1. I am open to suggestions.
2. If this were broken up into a hybrid course do you two have enough
background that you could do a couple of weeks just on interiors textiles if we
can figure out the rest?
3. How many students do you think will need it this fall?
4. Do you have ideas on who you might get to teach after we end the course?
Lynette has been really sticking to a masters in the content for anyone teaching
the courses.

Duane

--
"A ship is safe in harbor, but that's not what ships are for." - William G.T. Shedd

Dr. Duane A. Whitbeck, Chair
Family & Consumer Sciences Department
Pittsburg State University
1701 S. Broadway
Pittsburg, Kansas 66762
620-235-4457

FCS_Logo_secondary.png
49 KB

Zimbra   dbertoncino@pittstate.edu

Fashion Merchandising

From : Duane Whitbeck <dwhitbeck@pittstate.edu>   Thu, Feb 01, 2018 02:56 PM
Subject : Fashion Merchandising   📎1 attachment
    To : Denise Bertoncino <dbertoncino@pittstate.edu>

Denise,
We are officially ending Fashion. We have asked the Registrar to stop allowing
students to select it as a major. We do not know what we will be doing with
regards to Textiles, but you might start thinking now of what you would do after
we no longer offer it. It could be that we could agree on someone early that
could just keep doing it after our students pull out that would serve your needs
better.

You have one student - Nellie Underwood that is an ID major with minors in
Fashion and photography. She has a 2.5 gpa. She did not attend our meetings
where we talked with the students about their options. I don't know how she is
doing in your area. She will need to meet with me around midterm to make a
plan for what she will need if she stays in the FM minor.

Duane

--
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Dr. Duane A. Whitbeck, Chair
Family & Consumer Sciences Department
Pittsburg State University
1701 S. Broadway
Pittsburg, Kansas 66762
620-235-4457

FCS_Logo_secondary.png
49 KB

Request for Revision to Course
(Undergraduate Course Numbers through Course Number 699)

Department: <u>SOC</u> College: <u>COT</u>

Submission Date: <u>3.1.2019</u>

Contact Person: <u>JAMES OTTER</u> ☐ Faculty member ☒ Chair

Revision Effective: <u>FALL 2019</u> (Semester/Year)

Offered: (check all that apply)
☒ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>When this course was developed, we thought it would be offered at the sophomore level, but we want our majors to take a safety course as early as their freshman year to stress the importance of safety in our workplace. Additionally many of our students do interns during their first year and this would be beneficial for them to complete prior to an internship.</u>

Purpose/Justification for Revision to Course: <u>Lower course number from 300 level to 200 level course and update course description</u>

Existing Course:
Course Number: <u>EST 396</u>

Title of Course: <u>Introduction to Construction Safety</u>

Credit Hours: <u>3</u>

Prerequisite: <u>None</u>

Course Description (**as it appears in the current catalog**): <u>Overview of basic safety principles and hazards relative to the construction workplace. Includes topics contained within OSHA Title 1926 standards. Ten-hour OSHA voluntary compliance cards are available to students who qualify.</u>

Proposed Course:
Course Number: <u>EST 296</u>

Title of Course: <u>Introduction to Construction Safety</u>

Credit Hours: <u>3</u>

Prerequisite: <u>None</u>

Course Description (**as it will appear in the next catalog**): Overview of basic safety principles and hazards relative to the construction workplace. Includes topics contained within OSHA Title 1926 standards. Thirty-hour OSHA voluntary compliance cards are available to students who qualify.

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

   _____

   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   None

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ **Approved: Department Chairperson**
Date _3.1.19_ Signature, Department Chairperson _____

☐ **Approved: College Curriculum Committee**
Date _4.5.19_ Signature, College Curriculum Committee Chair _____

☐ **Approved: Dean of College**
Date _4.10.19_ Signature, Dean _____

☐ **Approved: General Education Committee (if applicable)**
Date _____ Signature, General Education Committee Chair _____

☐ **Approved: Council for Teacher Education (if applicable)**
Date _____ Signature, Council for Teacher Education Chair _____

☒ **Approved: Faculty Senate University Undergraduate Curriculum Committee**
Date _4-30-19_ Signature, Undergraduate Curriculum Committee Chair _____

☐ **Approved: Faculty Senate**
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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(Undergraduate Course Numbers through Course Number 699)

Department: <u>SOC</u>   College: <u>COT</u>   Submission Date: <u>3.1.2019</u>

Contact Person: <u>JAMES OTTER</u>   ☐ Faculty member ☒ Chair

Revision Effective: <u>FALL 2019</u> (Semester/Year)

Offered: (check all that apply)
☐ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>Changing a pre-req due to requirements to get Construction ET program to 120 hours.</u>

Purpose/Justification for Revision to Course: <u>Remove Mechanics of Materials as a pre-req. Mechanics of Materials is being dropped from the Construction ET program in order to get the program to 120 hours.</u>

Existing Course:
Course Number: <u>CMCET 633</u>

Title of Course: <u>Concrete Structures</u>

Credit Hours: <u>3</u>

Prerequisite: <u>MECET 423 Mechanics of Materials and CMCET 431 Structural Loads.</u>

Course Description (**as it appears in the current catalog**): <u>(3 hours lecture). Analysis and design of concrete structural members using current specifications, codes and practices reflecting practical construction, formwork and scaffolding. Written and oral reports. Incorporates the use of computer analysis for design verification. Prerequisites or corequisites: MECET 423 Mechanics of Materials and CMCET 431 Structural Loads.</u>

Proposed Course:
Course Number: <u>CMCET 633</u>

Title of Course: <u>Concrete Structures</u>

Credit Hours: <u>3</u>

Prerequisite: <u>CMCET 431 Construction Structural Loads/Strengths of Materials.</u>

Course Description (**as it will appear in the next catalog**): <u>(3 hours lecture). Analysis and design of concrete structural members using current specifications, codes and practices reflecting practical construction, formwork and scaffolding.</u>

Written and oral reports. Incorporates the use of computer analysis for design verification. Prerequisites or corequisites: CMCET 431 Construction Structural Loads/Strengths of Materials.

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

   _____

   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>None</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date 3.1.19 Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

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Department: **SOC**   College: **COT**

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Contact Person: **JAMES OTTER**   ☐ Faculty member ☒ Chair

Revision Effective: **FALL 2019** (Semester/Year)

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☐ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
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Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
Changing a pre-req due to requirements to get Construction ET program to 120 hours.

Purpose/Justification for Revision to Course: Remove Mechanics of Materials as a pre-req. Mechanics of Materials is being dropped from the Construction ET program in order to get the program to 120 hours.

Existing Course:
Course Number: CMCET 632

Title of Course: Steel and Wood Structures

Credit Hours: 3

Prerequisite: MECET 423 Mechanics of Materials and CMCET 431 Structural Loads.

Course Description (as it appears in the current catalog): (3 hours lecture). Analysis and design of steel and wood structural components using current specifications, codes and practices reflecting practical construction procedures. Incorporates the use of computer analysis for design verification. Prerequisites or corequisites: MECET 423 Mechanics of Materials and CMCET 431 Structural Loads.

Proposed Course:
Course Number: CMCET 632

Title of Course: Steel and Wood Structures

Credit Hours: 3

Prerequisite: CMCET 431 Construction Structural Loads/Strengths of Materials.

Course Description (as it will appear in the next catalog): (3 hours lecture). Analysis and design of steel and wood structural components using current specifications, codes and practices reflecting practical construction procedures.

Request for Revision to Course- Revised Summer 2013

1

Incorporates the use of computer analysis for design verification. Prerequisites or corequisites: CMCET 431 Construction Structural Loads/Strengths of Materials .

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

   _____

   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>None</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date 3.1.19 Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Please Note: This is a 2-3 month process, at least, and is designed to eliminate questions and concerns at the beginning of the process. Any questions/concerns not addressed prior to the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process.

Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: <u>SOC</u>   College: <u>COT</u>

Submission Date: <u>3.1.2019</u>

Contact Person: <u>JAMES OTTER</u>   ☐ Faculty member ☒ Chair

Revision Effective: <u>FALL 2019</u> (Semester/Year)

Offered: (check all that apply)
☒ Fall
☐ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>Changing a pre-req due to requirements to get Construction ET program to 120 hours.</u>

Purpose/Justification for Revision to Course: <u>Remove Mechanics of Materials as a pre-req. Mechanics of Materials is being dropped from the Construction ET program in order to get the program to 120 hours.</u>

Existing Course:
Course Number: <u>CMCET 536</u>

Title of Course: <u>Temporary Structures</u>

Credit Hours: <u>2</u>

Prerequisite: <u>MECET 423 Mechanics of Materials and CMCET 431 Structural Loads.</u>

Course Description (**as it appears in the current catalog**): <u>(2 hours lecture). Design and construction of necessary temporary structures used in construction to facilitate building of permanent structures. Includes shoring, falsework, scaffolding, work platforms, retention structures, cofferdams, etc. Computer applications and modeling. Prerequisites or Corerequisites: MECET 423 Mechanics of Materials and CMCET 431 Structural Loads.</u>

Proposed Course:
Course Number: <u>CMCET 536</u>

Title of Course: <u>Temporary Structures</u>

Credit Hours: <u>2</u>

Prerequisite: <u>CMCET 431 Construction Structural Loads/Strengths of Materials.</u>

Course Description (**as it will appear in the next catalog**): <u>(2 hours lecture). Design and construction of necessary temporary structures used in construction to facilitate building of permanent structures. Includes shoring, falsework</u>

scaffolding, work platforms, retention structures, cofferdams, etc. Computer applications and modeling. Prerequisites or Corerequisites: CMCET 431 Construction Structural Loads/Strengths of Materials.

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:
   _____

   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>None</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ **Approved: Department Chairperson**
Date 3.1.19 Signature, Department Chairperson

☐ **Approved: College Curriculum Committee**
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ **Approved: Dean of College**
Date 4.10.19 Signature, Dean

☐ **Approved: General Education Committee (if applicable)**
Date _____ Signature, General Education Committee Chair _____

☐ **Approved: Council for Teacher Education (if applicable)**
Date _____ Signature, Council for Teacher Education Chair _____

☒ **Approved: Faculty Senate University Undergraduate Curriculum Committee**
Date 4.24.19 Signature, Undergraduate Curriculum Committee Chair

☐ **Approved: Faculty Senate**
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: SOC   College: COT   Submission Date: 3.1.2019

Contact Person: JAMES OTTER   ☐ Faculty member ☒ Chair

Revision Effective: FALL 2019 (Semester/Year)

Offered: (check all that apply)
☒ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only taken by students in the Construction Engineering Technology program and should not impact any other major/department. It might impact the ETECH department once we drop their MECET 423 course.

Purpose/Justification for Revision to Course: In order to meet the new 120 hour major requirement and satisfy our accreditation requirements, SOC will increase the current CMCET 431 Structural Loads course and add 1 hour to the course that will include related mechanics of materials. We will then drop MECET 423 Mechanics of Materials.

Existing Course:
Course Number: CMCET 431

Title of Course: Structural Loads

Credit Hours: 1

Prerequisite: MECET 220 Statics or equivalent.

Course Description (as it appears in the current catalog): (1 hour lecture). Code requirements for structural loading, vertical loads and lateral forces commonly used in construction. Prerequisite or Corequisite: MECET 220 Statics or equivalent.

Proposed Course:
Course Number: CMCET 431

Title of Course: Construction Structural Loads/Strength of Materials

Credit Hours: 2

Prerequisite: MECET 220 Statics or equivalent

Course Description (**as it will appear in the next catalog**): (2 hour lecture). Code requirements for structural loading, vertical loads and lateral forces commonly used in construction. Mechanics and strength of materials related to construction. Prerequisite or Corequisite: MECET 220 Statics or equivalent.

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

   _____

   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>None</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date 3.1.19 Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: SOC   College: COT   Submission Date: 3.1.2019

Contact Person: JAMES OTTER   ☐ Faculty member ☒ Chair

Revision Effective: FALL 2019 (Semester/Year)

Offered: (check all that apply)
☒ Fall
☒ Spring
☒ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only taken by students in the Construction Engineering Technology/Construction Management program and should not impact any other major/department.

Purpose/Justification for Revision to Course: In order to meet the new 120 hour major requirement and satisfy our accreditation requirements, SOC will change the number of hours required for our co-op/internship courses.

Existing Course:

Course Number: CMCET 400

Title of Course: Cooperative Education

Credit Hours: 3-6 hrs

Prerequisite: None

Course Description (as it appears in the current catalog): A cooperative college-industry, college-business, or college-government work experience. The student is interviewed and employed by an industrial, business or government organization, then a work program is outlined. Supervision of the work experience is conducted by the employer and the college coordinator. May be repeated if subject matter is different. Written permission of department chairperson required. Offered on a Pass-Fail basis only.

Proposed Course:

Course Number: CMCET 400

Title of Course: Construction Internship/Cooperative Education

Credit Hours: 1-6

Prerequisite: None

Course Description (as it will appear in the next catalog): (1-6 hrs) A cooperative college-industry, college-business, or college-government work experience. The student is interviewed and employed by an industrial, business or government organization with a specific work description/scope. Supervision of the experience is conducted by the employer and the department internship/co-op coordinator. May be repeated if experience is different. Written permission of department chairperson required. Offered on a Pass-Fail basis only.

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:
   _____
   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>None</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date 3.1.19 Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, "*Undergraduate Curriculum Legislation*" (within the appropriate College folder, "*Preliminary Legislation*"), to allow for review and questions. Any modifications should be saved as "*original file name.version2.docx*" (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course
(Undergraduate Course Numbers through Course Number 699)

Department: SOC   College: COT   Submission Date: 3.1.2019

Contact Person: JAMES OTTER   ☐ Faculty member ☒ Chair

Revision Effective: FALL 2019 (Semester/Year)

Offered: (check all that apply)
☒ Fall
☒ Spring
☒ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only taken by students in the Construction Engineering Technology/Construction Management program and should not impact any other major/department.

Purpose/Justification for Revision to Course: In order to meet the new 120 hour major requirement and satisfy our accreditation requirements, SOC will change the number of hours required for our co-op/internship courses.

Existing Course:
Course Number: CMCET 300

Title of Course: Cooperative Education

Credit Hours: 3-6 hrs

Prerequisite: None

Course Description (**as it appears in the current catalog**): A cooperative college-industry, college-business, or college-government work experience. The student is interviewed and employed by an industrial, business or government organization, then a work program is outlined. Supervision of the work experience is conducted by the employer and the college coordinator. May be repeated if subject matter is different. Written permission of department chairperson required. Offered on a Pass-Fail basis only.

Proposed Course:
Course Number: CMCET 300

Title of Course: Construction Internship/Cooperative Education

Credit Hours: 1-6

Prerequisite: None

Course Description **(as it will appear in the next catalog)**: (1-6 hrs) A cooperative college-industry, college-business, or college-government work experience. The student is interviewed and employed by an industrial, business or government organization with a specific work description/scope. Supervision of the experience is conducted by the employer and the department internship/co-op coordinator. May be repeated if experience is different. Written permission of department chairperson required. Offered on a Pass-Fail basis only.

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

   _____

   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>None</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date 5.4.19 Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19   Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

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Request for Revision to Course
(Undergraduate Course Numbers through Course Number 699)

Department: <u>SOC</u>   College: <u>COT</u>   Submission Date: <u>3.1.2019</u>

Contact Person: <u>JAMES OTTER</u>   ☐ Faculty member ☒ Chair

Revision Effective: <u>FALL 2019</u> (Semester/Year)

Offered: (check all that apply)
☒ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only taken by students in the SOC and should not impact any other major/department.

Purpose/Justification for Revision to Course: The reduction in hours in the CMCET 234 Construction Industry course from 3 hours to 2 hours is based on the addition of 1 additional hour to the Gorilla Gateway (AKA Freshman Experience). The requirement of the 2 hour Gateway course and the topics covered encouraged us to consider offering a combined Gorilla Gateway course in conjunction with our Construction Industry course. Our ultmate goal will be to have both courses taught by SOC faculty.

Existing Course:
Course Number: <u>CMCET 234</u>

Title of Course: The Construction Industry

Credit Hours: <u>3</u>

Prerequisite: <u>None</u>

Course Description (as it appears in the current catalog): (3 hours lecture). Overview of construction as a profession and of the construction industry including NCCER core curriculum topics, types of construction, professional organizations, contract delivery systems, ethics, communication and software applications within construction.

Proposed Course:
Course Number: <u>CMCET 234</u>

Title of Course: The Construction Industry

Credit Hours: <u>2</u>

Prerequisite: <u>None</u>

Course Description (<u>as it will appear in the next catalog</u>): <u>(2 hours lecture). Overview of construction as a profession and of the construction industry including NCCER core curriculum topics, types of construction, professional organizations, contract delivery systems, ethics, communication and software applications within construction.</u>

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes   ☒ No

    If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

    _____

    Please realize that it will need to gain approval of the General Education Committee.
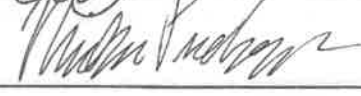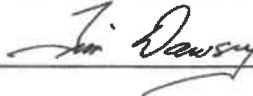
2. Will this course be required of any education majors? ☐ Yes   ☒ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
    <u>None</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ **Approved: Department Chairperson**
Date 3.1.19 Signature, Department Chairperson

☐ **Approved: College Curriculum Committee**
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ **Approved: Dean of College**
Date 4.10.19 Signature, Dean

☐ **Approved: General Education Committee (if applicable)**
Date _____ Signature, General Education Committee Chair _____

☐ **Approved: Council for Teacher Education (if applicable)**
Date _____ Signature, Council for Teacher Education Chair _____

☒ **Approved: Faculty Senate University Undergraduate Curriculum Committee**
Date 4-29-19 Signature, Undergraduate Curriculum Committee Chair

☐ **Approved: Faculty Senate**
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course
(Undergraduate Course Numbers through Course Number 699)

Department: <u>SOC</u>   College: <u>COT</u>   Submission Date: <u>3.1.2019</u>

Contact Person: <u>JAMES OTTER</u>   ☐ Faculty member ☒ Chair

Revision Effective: <u>FALL 2019</u> (Semester/Year)

Offered: (check all that apply)
☒ Fall
☒ Spring
☒ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>This course is only taken by students in the Construction Engineering Technology/Construction Management program and should not impact any other major/department.</u>

Purpose/Justification for Revision to Course: <u>In order to meet the new 120 hour major requirement and satisfy our accreditation requirements, SOC will change the number of hours required for our co-op/internship courses.</u>

Existing Course:
Course Number: <u>CMCET 200</u>

Title of Course: <u>Cooperative Education</u>

Credit Hours: <u>1-6 hrs</u>

Prerequisite: <u>None</u>

Course Description (as it appears in the current catalog): <u>A cooperative college-industry, college-business, or college-government work experience. The student is interviewed and employed by an industrial, business or government organization, then a work program is outlined. Supervision of the work experience is conducted by the employer and the college coordinator. May be repeated if subject matter is different. Written permission of department chairperson required. Offered on a Pass-Fail basis only.</u>

Proposed Course:
Course Number: <u>CMCET 200</u>

Title of Course: <u>Construction Internship/Cooperative Education</u>

Credit Hours: <u>1-6</u>

Prerequisite: <u>None</u>

Course Description (**as it will appear in the next catalog**): (1-6 hrs) A cooperative college-industry, college-business, or college-government work experience. The student is interviewed and employed by an industrial, business or government organization with a specific work description/scope. Supervision of the experience is conducted by the employer and the department internship/co-op coordinator. May be repeated if experience is different. Written permission of department chairperson required. Offered on a Pass-Fail basis only.

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

    If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

    _____

    Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☐ Yes ☒ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
    None

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date 3.1.19 Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-29-19 Signature, Undergraduate Curriculum Committee Chair

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

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Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Please Note: This is a 2-3 month process, at least, and is designed to eliminate questions and concerns at the beginning of the process. Any questions/concerns not addressed prior to the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process.

Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: <u>SOC</u>   College: <u>COT</u>   Submission Date: <u>3.1.2019</u>

Contact Person: <u>JAMES OTTER</u>   ☐ Faculty member ☒ Chair

Revision Effective: <u>FALL 2019</u> (Semester/Year)

Offered: (check all that apply)
☒ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☒ Yes ☐ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>When this course was developed, we thought it would be offered at the sophomore level, but we want our majors to take a safety course as early as their freshman year to stress the importance of safety in our workplace. Additionally many of our students do interns during their first year and this would be beneficial for them to complete prior to an internship. Any department that currently required the EST 393 course will need to change the course requirements.</u>

Purpose/Justification for Revision to Course: <u>Lower course number from 300 level to 200 level course and update course description</u>

Existing Course:
Course Number: <u>EST 393</u>

Title of Course: <u>Introduction to Industrial Safety</u>

Credit Hours: <u>3</u>

Prerequisite: <u>None</u>

Course Description (**as it appears in the current catalog**): <u>A study of safety standards as established by federal safety standards for general industry. Includes topics within OSHA 1910 general industry standards and compliance issues. Thirty-hour OSHA voluntary compliance cards are available to students who qualify. (For Hybrid Course: only ten-hour OSHA voluntary compliance card is available to students who qualify.)</u>

Proposed Course:
Course Number: <u>EST 293</u>

Title of Course: <u>Introduction to Industrial Safety</u>

Credit Hours: <u>3</u>

Prerequisite: <u>None</u>

Course Description (**as it will appear in the next catalog**): A study of safety standards as established by federal safety standards for general industry. Includes topics within OSHA 1910 general industry standards and compliance issues. Thirty-hour OSHA voluntary compliance cards are available to students who qualify. (For Hybrid Course: only ten-hour OSHA voluntary compliance card is available to students who qualify.)

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:
   _____

   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>None</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date _3.4.2019_ Signature, Department Chairperson __James Otter__ Digitally signed by James Otter DN: C=US, E=jotter@pittstate.edu, O=Pittsburg State University, OU="School of Construction ", CN=James Otter Date: 19 03 04 13 08 49-0600"

☐ Approved: College Curriculum Committee
Date _4.5.19_ Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date _4.10.19_ Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date_4-24-19_ Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum

Revision for: ☒ Major ☐ Minor ☐ Emphasis ☐ Certificate

Department: <u>SOC</u>   College: <u>COT</u>   This program is to be offered 50% or more online as a Hybrid_____
This program is to be offered fully online_____

Submission Date: <u>3.4.2019</u>   Revision Effective: Fall, <u>2019</u>
(Year)

Contact Person: <u>James Otter</u>   ☐ Faculty member ☒ Chair

Name of Existing Major or Minor/Emphasis/Certificate: <u>Interior Design</u>

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
_____

Description of Change: <u>Change in Interior Design program to meet the new Pathways requirements and to meet the KBOR 120 hour requirements.</u>

Rationale for Change (include changes to curriculum objectives): <u>To meet KBOR 120 hour mandate and to meet PSU Pathway requirements</u>

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation.
<u>No impact on any other program</u>

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☒ Yes ☐ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>Maybe. For any program that takes any courses in the Interior Design program as an elective they may be impacted by some of the changes.</u>

Existing Major or Minor/Emphasis/Certificate
Copy and paste the existing curriculum **as it currently appears** in the online catalog:
Major Requirements

Interior Design Courses* (49 hours)
IND 110: Interior Design Fundamentals 3
IND 120: Interior Design Studio Fundamentals   3
IND 312: History of Design I   3
IND 313: History of Design II   3
IND 315: Interior Design: Studio I   3
IND 316: Space Planning and Programming   3
IND 323: Interior Design Materials and Resources   3
IND 324: Applied Color and Lighting Design   3

IND 325: Interior Design: Studio II   3
IND 411: Professional Practice for Interior Design   3
IND 420: Interior Design: Studio III   3
IND 422: Interior Design: Studio IV   3
IND 425: LEED in Interior Design   3
IND 570: Professional Internship Preparation   1
IND 571: Professional Internship   2
IND 572: Interior Design Portfolio Prep and Senior Exhibit   1
FCS 356: Textiles   3
EST 621: Ergonomics/Human Factors   3

Construction Support Courses* (19 hours)
CMCET 133: Construction Graphics   3
CMCET 235: Methods of Construction-Light Frame and Finishes 2
CMCET 330: Mechanical Systems (HVAC)   3
CMCET 331: Electrical Systems 3
CMCET 332: Residential Design 3
CMCET 340: Building Information Modeling (BIM)   3
CMCET 350: Mechanical Systems (Plumbing)   2

Graphic Design Support Courses* (9 hours)
GIT 142: Raster Graphics Software   3
GIT 221: Web Graphics Software   3
GIT 240: Page Layout Software 3

*A grade of C or better is required in all major requirements and their prerequisites.

GENERAL EDUCATION REQUIREMENTS
(47-51 hrs.)
Basic Skills   12 hours
        COMM 207   Speech Communication   3
        ENGL   101   English Composition   3
        ENGL   190   Honors English Composition   3
        OR ENGL 299 Introduction to Research Writing 3
        MATH   113   College Algebra 3

Sciences   8-9 hours
Natural Sciences (Select one)
        BIOL   111/112 General Biology and Laboratory   5
        BIOL   113   Environmental Life Science   4
        BIOL   211   Principles of Biology I   4
Physical Sciences
        PHYS   171/172 Physical Science and Laboratory   4
  (or other approved Physical Science course)
Social Studies   (Select one)   3 hours
        SOC   100   Introduction to Sociology   3
        WGS   200   Introduction to Women's Studies   3
Political Studies 3 hours
        POLS   101   U.S. Politics   3
Producing and Consuming   6 hours

Economy

ECON 191 Issues in Today's Economy 3

Business

MGT 101 Introduction to Business 3

Fine Arts and Aesthetic Studies (Select one) 2-3 hours

ART 155 Printmaking and Paper Arts 3

ART 178 Introduction to the Visual Arts 3

ART 188 The Designed World 3

ART 217 Crafts I 3

ART 222 Jewelry Design I3

ART 233 Drawing I 3

ART 244 Ceramics I 3

ART 266 Sculpture I 3

ART 277 Painting I 3

ART 288 Introduction to Art History I 3

ART 289 Introduction to Art History II 3

ART 311 Art Education 3

ART 351 Printmaking, Papermaking, Bookarts and the Letterpress 3

ART 430 Automotive: Art and Design 3

COMM 105 Performance Appreciation 3

COMM 205 Performance Studies 3

COMM 395 Theatre History 3

ENGL 250 Introduction to Creative Writing 3

HHP 151 Dance Appreciation 3

MUSIC 120 Music Appreciation 3

MUSIC 121 Introduction to Music Literature 2

Cultural Studies (Select one) 3 hours MLL 114 Chinese Language and Culture I 5

ANTH 101 Introduction to Cultural Anthropology 3

MLL 114 Chinese Language and Culture I 3

MLL 124 French Language and Culture I 3

MLL 154 Spanish Language and Culture I 3

MLL 184 Russian Language and Culture I 3

MLL 194 Korean Language and Culture I 3

GEOG 106 World Regional Geography 3

GEOG 300 Elements of Geography 3

GEOG 304 Human Geography 3

WGS 399 Global Women's Issues 3

Health and Well Being 4-6 hours

PSYCH 155 General Psychology 3

Physical (Select one)

FCS 203 Nutrition and Health. 3

FCS 301 Nutrition 3

HHP 150 Lifetime Fitness Concepts. 1

NURS 303 Introduction to Public Health 3

Human Heritage 6 hours

(Select Philosophy PLUS one course from History or Literature)

History

HIST 101 World History to 1500. 3

HIST	102	World History from 1500	3
HIST	201	American History to 1865.	3
HIST	202	American History from 1865	3

Literature

ENGL	113	General Literature.	3
ENGL	114	General Literature(Genre)	3
ENGL	116	General Literature(Theme).	3
ENGL	120	Literature and Film	3
ENGL	315	Mythology	3
ENGL	320	Literature and Film	3

Philosophy

PHIL	113	Business Ethics	3

Proposed Major or Minor/Emphasis/Certificate:

List below, the proposed curriculum **as you wish it to appear** in the online catalog:
Major Requirements

Interior Design Courses* (49 hours)
IND 110: Interior Design Fundamentals 3
IND 120: Interior Design Studio Fundamentals   3
IND 312: History of Design I   3
IND 313: History of Design II   3
IND 315: Interior Design: Studio I   3
IND 316: Space Planning and Programming   3
IND 323: Interior Design Materials and Resources   3
IND 324: Applied Color and Lighting Design   3
IND 325: Interior Design: Studio II   3
IND 356: Textiles   3
IND 411: Professional Practice for Interior Design   3
IND 420: Interior Design: Studio III   3
IND 422: Interior Design: Studio IV   3
IND 425: LEED in Interior Design   3
IND 570: Professional Internship Preparation   1
IND 571: Professional Internship   2
IND 572: Interior Design Portfolio Prep and Senior Exhibit   1
EST 621: Ergonomics/Human Factors   3

Construction Support Courses* (22 hours)
CMCET 133: Construction Graphics   3
CMCET 235: Methods of Construction-Light Frame and Finishes 2
CMCET 330: Mechanical Systems (HVAC)   3
CMCET 331: Electrical Systems   3
CMCET 332: Residential Design 3
CMCET 340: Building Information Modeling (BIM)   3
CMCET 350: Mechanical Systems (Plumbing)   2
CMCET 401 Investigations in Technology   3

Graphic Design Support Courses* (9 hours)
GIT 142: Raster Graphics Software   3

GIT 221: Web Graphics Software   3
GIT 240: Page Layout Software   3

*A grade of C or better is required in all major requirements and their prerequisites.

PITT STATE PATHWAY REQUIREMENTS
(40) hrs.)
Core Elements   12 hours
    COMM 207   Speech Communication   3
    ENGL   101   English Composition   3
    ENGL   190   Honors English Composition
    OR ENGL 299 Introduction to Research Writing 3
    MATH 113   College Algebra
    Or MATH 133 Quantitative Reasoning   3

ESSENTIAL ELEMENT (28)
One Pathway course from D3 Group (Non-verbal/Creative)......3
Two Pathway courses from E1 Group (Diverse Perspective).....6
Two Pathway courses from E2 Group (Social Responsibility)... 6
PHYS 171/172 Physical Science + Lab
OR BIOL 113 Env. Life Science (Scientific Inquiry)   4
EXSCI 200 or HHP 150   1
PSYCH 155 General Psychology 3
Elective
One Pathway course from D3 group   3

UGS 150 Gorilla Gateway   2

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>none</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:
   _____

3. Will this revision have specific General Education courses required? ☒ Yes   ☐ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes   ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   <u>Not sure</u>

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? (minimum of 24 hours) ☐ Yes   ☒ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☐ Yes   ☒ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date _3.4.2019_ Signature, Department Chairperson **James Otter** Digitally signed by James Otter
DN: C=US, E=jotter@pittstate.edu, O=Pittsburg State
University, OU="School of Construction", CN=James Otter
Date: 2019 __ 13:08:49-06'00'

☐ Approved: College Curriculum Committee
Date _4.5.19_ Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date _4.10.19_ Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date _4-29-19_ Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum- Major or Minor/Emphasis/Certificate- Revised Summer 2013

8

Request for Revision to Course
(Undergraduate Course Numbers through Course Number 699)

Department: <u>SOC</u>   College: <u>COT</u>   Submission Date: <u>3.1.2019</u>

Contact Person: <u>JAMES OTTER</u>   ☐ Faculty member ☒ Chair

Revision Effective: <u>FALL 2019</u> (Semester/Year)

Offered: (check all that apply)
☐ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at
Pittsburg State University?
☐ Yes   ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>The change in this course would only impact a program other than ESM if the EST 614 is being used as an elective.</u>

Purpose/Justification for Revision to Course: <u>The current course has evolved into a very writing intensive course and is designated as a WL course. The expansion from 2 to 3 hours is warranted based on the course load, objectives and outcomes.</u>

Existing Course:
Course Number: <u>EST 614</u>

Title of Course: <u>Environmental & Safety Program Development</u>

Credit Hours: <u>2</u>

Prerequisite: <u>EST 403 Industrial Safety or EST 496 Construction Safety or EST 498 Environmental Safety or EST 603 Industrial Safety or EST 696 Construction Safety.</u>

Course Description (**as it appears in the current catalog**): <u>Examine requirements of environmental and safety programs and how to incorporate into an organization's efforts. Students will review developed programs and create their own, which will offer knowledge that can be immediately used upon going into the environmental or safety profession. Prerequisites: EST 403 Industrial Safety or EST 496 Construction Safety or EST 498 Environmental Safety or EST 603 Industrial Safety or EST 696 Construction Safety</u>

Proposed Course:
Course Number: <u>EST 614</u>

Title of Course: <u>Environmental & Safety Program Development</u>

Credit Hours: <u>3</u>

Prerequisite: EST 403 Industrial Safety or EST 496 Construction Safety or EST 498 Environmental Safety or EST 603 Industrial Safety or EST 696 Construction Safety.

Course Description (**as it will appear in the next catalog**): (3 hours). Examine requirements of environmental and safety programs and how to incorporate into an organization's efforts. Students will review developed programs and create their own, which will offer knowledge that can be immediately used upon going into the environmental or safety profession. Prerequisites: EST 403 Industrial Safety or EST 496 Construction Safety or EST 498 Environmental Safety or EST 603 Industrial Safety or EST 696 Construction Safety.

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes   ☒ No

    If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:
    _____

    Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☐ Yes   ☒ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
    <u>None</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date _3.4.2019_ Signature, Department Chairperson **James Otter** Digitally signed by James Otter DN: C=US, E=jkotter@pittstate.edu, O=Pittsburg State University, OU="School of Construction ", CN=James Otter Date: 2019.__.__ 13 08 49-05'00'

☐ Approved: College Curriculum Committee
Date _4.5.19_ Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date _4.10.19_ Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date _____ Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required): Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum- Major or Minor/Emphasis/Certificate- Revised Summer 2013

8

Request for Revision to Curriculum

Revision for: ☒ Major ☐ Minor ☐ Emphasis ☐ Certificate

Department: <u>SOC</u>   College: <u>COT</u>   This program is to be offered 50% or more online as a Hybrid_____
This program is to be offered fully online_____

Submission Date: <u>3.4.2019</u>   Revision Effective: Fall, <u>2019</u>
(Year)

Contact Person: <u>James Otter</u>   ☐ Faculty member ☒ Chair

Name of Existing Major or Minor/Emphasis/Certificate: <u>Environmental & Safety Management</u>

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:

_____

Description of Change: <u>Change in ESM program to meet the new Pathways requirements and to meet the KBOR 120 hour requirements. The changes in Technical Specialties courses, support courses and Pathway courses will apply to all of the ESM emphasis (Construction, Environmental, Fire Safety, General Industry and Human Resource Management. Any changes to the emphasis will be noted in the following program changes.</u>

Rationale for Change (include changes to curriculum objectives): <u>To meet KBOR 120 hour mandate and to meet PSU Pathway requirements</u>

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation.
<u>No impact on any other program</u>

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☒ Yes ☐ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>Maybe. For any program that takes any courses in the Interior Design program as an elective they may be impacted by some of the changes.</u>

Existing Major or Minor/Emphasis/Certificate

Copy and paste the existing curriculum **as it currently appears** in the online catalog:
Major Requirements

Technical Specialties* (44 hours)
EST 101: The Environmental and Safety Industry   3
EST 204: Introduction to Fire Safety   3
EST 215: Introduction to Environmental Compliance   3
EST 326: Basic Electrical Safety   3
EST 393: Introduction to Industrial Safety   3
EST 396: Introduction to Construction Safety   3

EST 400: Cooperative Education/Internship (___)   3-6
EST 505: Water Quality and Solid Waste Management   3
EST 512: Risk Assessment   3
EST 514: Industrial Hygiene   3
EST 516: Hazardous Materials   3
EST 614: Environmental and Safety Program Development   2
EST 621: Ergonomics/Human Factors   3
EST 624: Risk Control   3
EST 630: Safety Management   3

Construction Emphasis*
CMCET 235: Methods of Construction-Light Frame & Finishes   2
CMCET 334: Methods of Construction-Sitework and Steel   3
CMCET 335: Methods of Construction-Concrete and Masonry   3
EST 496: Construction Safety   2
EST 497: Construction Safety Laboratory   1
or
Environmental Management Emphasis*
BIOL 313: Principles of Conservation   3
BIOL 615: Environmental Protection   3
EST 498: Environmental Safety   3
EST 629: Legal Issues in Environmental Health and Safety   3
or
Fire Safety Emphasis*
Approved fire safety transfer courses 12
or
General Industry Emphasis
EST 403: Industrial Safety   3
MFGET 263: Manufacturing Methods I   2
 and MFGET 268: Manufacturing Methods I Laboratory 1
TM 606: Industrial Supervision   3
Approved Tech elective or leadership course   3
#Approved Leadership courses include:
MIL 303 Leadership Assessment and Development
TM 520 Leadership in the Workplace
LDSP 600 Foundations of Leadership
or
Human Resource Management Emphasis*
HRD 596: Introduction to Human Resource Development   3
TM 606: Industrial Supervision   3
TM 390: Trade and Job Analysis 3
 or TM 520: Leadership in the Workplace   3
HRD 653: Workforce Preparation   3

Support Courses* (19-20 hours)
CHEM 215: General Chemistry I 3
 and CHEM 216: General Chemistry I Laboratory   2
 or CHEM 105: Introductory Chemistry   3
 and CHEM 106: Introductory Chemistry Laboratory   1
ENGL 301: Technical/Professional Writing   3
TM 679: Presentation Skills   3

Safety Electives (chosen from:) (9 hours)
EST 404: Fire Protection Systems   3
EST 524: Emergency Planning & Emergency Response   3
EST 605: Special Topics in Environmental and Safety (___)   1-3
HRD 575: Instructional Media in Human Resource Development 3

Approved Course by Instructor   3

*A grade of C or better is required in all technical specialties, emphasis and support course requirements.

GENERAL EDUCATION REQUIREMENTS
(47-51 hrs.)
Basic Skills   12 hours
    COMM 207   Speech Communication   3
    ENGL 101   English Composition   3
    ENGL 190   Honors English Composition   3
    OR ENGL 299 Introduction to Research Writing 3
    MATH 113   College Algebra 3

Sciences   8-9 hours
Natural Sciences (Select one)
    BIOL   111/112 General Biology and Laboratory   5
    BIOL   113   Environmental Life Science   4
    BIOL   211   Principles of Biology I   4
Physical Sciences (Select one)
    PHYS   171/172 Physical Science and Laboratory   4
    or other approved Physical Science course
Social Studies   3 hours
    SOC   100   Introduction to Sociology   3
    WGS   200   Introduction to Women's Studies   3
Political Studies (Select one)   3 hours
    POLS 101   U.S. Politics   3
    POLS 103   Comparative Political Institutions   3
Producing and Consuming   6 hours
Economy
    ECON   191   Issues in Today's Economy   3
Business
    ACCTG 201   Financial Accounting   3

Fine Arts and Aesthetic Studies (Select one)   2-3 hours
ART   155   Printmaking and Paper Arts   3
    ART   178   Introduction to the Visual Arts   3
    ART   188   The Designed World   3
    ART   217   Crafts I 3
ART   222   Jewelry Design I3
    ART   233   Drawing I   3
    ART   244   Ceramics I   3
    ART   266   Sculpture I   3
    ART   277   Painting I   3
    ART   288   Introduction to Art History I   3

ART	289	Introduction to Art History II	3
ART	311	Art Education	3
ART	351	Printmaking, Papermaking, Bookarts and the Letterpress	3
ART	430	Automotive: Art and Design	3
COMM	105	Performance Appreciation	3
COMM	205	Performance Studies	3
COMM	395	Theatre History	3
ENGL	250	Introduction to Creative Writing	3
HHP	151	Dance Appreciation	3
MUSIC	120	Music Appreciation	3
MUSIC	121	Introduction to Music Literature	2

Cultural Studies (Select one)   3 hours MLL   114   Chinese Language and Culture I 5

ANTH	101	Introduction to Cultural Anthropology	3
MLL	114	Chinese Language and Culture I	3
MLL	124	French Language and Culture I	3
MLL	154	Spanish Language and Culture I	3
MLL	184	Russian Language and Culture I	3
MLL	194	Korean Language and Culture I	3
GEOG	106	World Regional Geography	3
GEOG	300	Elements of Geography	3
GEOG	304	Human Geography	3
WGS	399	Global Women's Issues	3

Health and Well Being   4-6 hours

Psychological

PSYCH	155	General Psychology	3

Physical (Select one)

FCS	203	Nutrition and Health.	3
FCS	301	Nutrition	3
HHP	150	Lifetime Fitness Concepts.	1
NURS	303	Introduction to Public Health	3

Human Heritage   6 hours

(Select one course from Philosophy PLUS one course from History or Literature)

Philosophy

PHIL 103: Introduction to Philosophy   3
PHIL 105: Ethics   3
PHIL 112: Biomedical Ethics   3
PHIL 113: Business Ethics   3
PHIL 114: Environmental Ethics 3
PHIL 207: Critical Thinking   3
PHIL 208: Logic 3
PHIL 231: World Religions   3

History

HIST	101	World History to 1500.	3
HIST	102	World History from 1500	3
HIST	201	American History to 1865.	3
HIST	202	American History from 1865	3

Literature

ENGL	113	General Literature.	3
ENGL	114	General Literature(Genre)	3
ENGL	116	General Literature(Theme).	3
ENGL	120	Literature and Film	3
ENGL	315	Mythology	3
ENGL	320	Literature and Film	3

Proposed Major or Minor/Emphasis/Certificate:

List below, the proposed curriculum **as you wish it to appear** in the online catalog:
Major Requirements

Technical Specialties* (48 hours)
EST 101: The Environmental and Safety Industry   3
EST 204: Introduction to Fire Safety   3
EST 215: Introduction to Environmental Compliance   3
EST 326: Basic Electrical Safety   3
EST 293: Introduction to Industrial Safety   3
EST 296: Introduction to Construction Safety   3
EST 400: Cooperative Education/Internship (___)   3-6
EST 496: Construction Safety   2
EST 497: Construction Safety Laboratory   1
EST 505: Water Quality and Solid Waste Management   3
EST 512: Risk Assessment   3
EST 514: Industrial Hygiene   3
EST 516: Hazardous Materials   3
EST 614: Environmental and Safety Program Development   3
EST 621: Ergonomics/Human Factors   3
EST 624: Risk Control   3
EST 630: Safety Management   3

Construction Emphasis*(12 hours)
CMCET 133" Construction Graphics   3
CMCET 235: Methods of Construction-Light Frame & Finishes   2
CMCET 334: Methods of Construction-Sitework and Steel   3
CMCET 335: Methods of Construction-Concrete and Masonry   3
CMCET 401 Investigations in Technology
Or CMCET 795 Special Topics in CMCET 1

or

Environmental Management Emphasis* (12 hours)
BIOL 313: Principles of Conservation   3
BIOL 615: Environmental Protection   3
EST 498: Environmental Safety   3
EST 629: Legal Issues in Environmental Health and Safety   3
or
Fire Safety Emphasis*(12 hours)
Approved fire safety transfer courses 12 hours

or
General Industry Emphasis (12 hours)
EST 403: Industrial Safety 3
MFGET 263: Manufacturing Methods I 2
 and MFGET 268: Manufacturing Methods I Laboratory 1
Approved Tech elective or leadership course 6
or
Human Resource Management Emphasis* (12 hours)
HRD 596: Introduction to Human Resource Development 3
TM 606: Industrial Supervision 3
TM 390: Trade and Job Analysis 3
 or TM 520: Leadership in the Workplace 3
HRD 653: Workforce Preparation 3

Support Courses* (13 hours)
 CHEM 105: Introductory Chemistry (Pathway course)
 and CHEM 106: Introductory Chemistry Laboratory (Pathway course)
ENGL 301: Technical/Professional Writing 3
TM 679: Presentation Skills 3
BIOL 371/372 Microbiology & Lab
Or PHYS 100/130 College Physics I + lab 4
LDSP 600 Foundations of Leadership
Or TM 606 Industrial Supervision 3

Safety Electives (chosen from:) (6 hours)
EST 524: Emergency Planning & Emergency Response 3
EST 605: Special Topics in Environmental and Safety (___) 1-3
HRD 575: Instructional Media in Human Resource Development 3
Or Approved Course by Instructor 3

*A grade of C or better is required in all technical specialties, emphasis and support course requirements.

PITT STATE PATHWAY REQUIREMENTS
(41-42 hrs.)
Core Elements 12 hours
COMM 207 Speech Communication 3
ENGL 101 English Composition 3
ENGL 190 Honors English Composition
OR ENGL 299 Introduction to Research Writing 3
MATH 113 College Algebra 3

ESSENTIAL ELEMENT (28)
One Pathway course from D3 Group (Non-verbal/Creative)......3
Two Pathway courses from E1 Group (Diverse Perspective).....6
Two Pathway courses from E2 Group (Social Responsibility)... 6
PHYS 171/172 Physical Science + Lab
OR BIOL 113 Env. Life Science (Scientific Inquiry)4
EXSCI 200 or HHP 150 1
PSYCH 155 General Psychology 3

Elective
CHEM 105/CHEM106 Introductory Chemistry +lab
Or CHEM 215/216 General Chemistry   4-5

UGS 150 Gorilla Gateway   2

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>none</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:

   _____

3. Will this revision have specific General Education courses required? ☒ Yes   ☐ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes   ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   <u>Not sure</u>

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines?
   (minimum of 24 hours) ☐ Yes   ☒ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☐ Yes   ☒ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date _3.4.2019_ Signature, Department Chairperson __James Otter__

☐ Approved: College Curriculum Committee
Date _4.5.19_ Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date _4.10.19_ Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date _4-24-19_ Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum

Revision for: ☒ Major   ☐ Minor   ☐ Emphasis   ☐ Certificate

Department: <u>SOC</u>   College: <u>COT</u>   This program is to be offered 50% or more online as a Hybrid_____
This program is to be offered fully online_____

Submission Date: <u>3.4.2019</u>   Revision Effective: Fall, <u>2019</u>

(Year)

Contact Person: <u>James Otter</u>   ☐ Faculty member ☒ Chair

Name of Existing Major or Minor/Emphasis/Certificate: <u>Construction Management</u>

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
_____

Description of Change: <u>Change in Construction Management program to meet the new Pathways requirements and to meet the KBOR 120 hour requirements. The changes to the technical specialties, support courses and Pathway courses will be the same for each of the six(6) CM emphasis areas (Company Management, Field Management, Residential Construction, Civil Construction, Safety Management and Building Information Modeling (BIM). We are submitting this one proposal to cover all 6 emphasis.</u>

Rationale for Change (include changes to curriculum objectives): <u>To meet KBOR 120 hour mandate and to meet PSU Pathway requirements</u>

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes   ☒ No

Whether a "yes" or "no" response, please provide an explanation.
<u>No impact on any other program</u>

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☒ Yes   ☐ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>Maybe. For any program that takes any courses in the Construction Management program as an elective they may be impacted by some of the changes.</u>

Existing Major or Minor/Emphasis/Certificate
Copy and paste the existing curriculum **as it currently appears** in the online catalog:
Major Requirements*

Technical Specialties (51 hours)
CMCET 133: Construction Graphics   3
CMCET 234: The Construction Industry   3
CMCET 235: Methods of Construction-Light Frame & Finishes   2
CMCET 330: Mechanical Systems (HVAC)   3
CMCET 331: Electrical Systems   3

CMCET 333: Theory of Structures 3
CMCET 334: Methods of Construction-Sitework and Steel 3
CMCET 335: Methods of Construction-Concrete and Masonry 3
CMCET 337: Construction Materials Testing and Inspection 2
CMCET 350: Mechanical Systems (Plumbing) 2
CMCET 434: Civil Construction 3
CMCET 530: Construction Cost Management 3
CMCET 537: Construction Surveying I 3
CMCET 631: Construction Estimating I 3
CMCET 634: Construction Management 3
CMCET 635: Contract Administration 3
CMCET 639: Construction Estimating II 2
CMCET 690: Professional Construction Certification Seminar 1
CMCET 691: Senior Project 3

*A grade of "C" or better is required for credit toward graduation and to satisfy pre-requisite requirements in all CMCET courses, MATH 113 College Algebra (or equivalent), MATH 122 Plane Trigonometry (or equivalent).

Support Courses (18 hours)
CMCET 200: Cooperative Education (___) 1-6
 or CMCET 300: Cooperative Education (___) 3-6
 or CMCET 400: Cooperative Education (___) 3-6
MATH 122: Plane Trigonometry 3
ENGL 301: Technical/Professional Writing 3
EST 396: Introduction to Construction Safety 3
EST 496: Construction Safety 2
 and EST 497: Construction Safety Laboratory 1
CMCET 410: Technical Construction Spanish for the Jobsite Supervisor 3

Emphasis Area:
Company Management Emphasis (12 hours)
MGT 101: Introduction to Business 3
MGT 330: Management and Organizational Behavior 3
MGT 430: Legal and Social Environment of Business 3
MGT 540: Human Resource Management 3
or Approved Leadership course#
#Approved Leadership courses include:
LDSP 600 Foundations of Leadership
TM 520 Leadership in the Workplace
MIL 303 Leadership Assessment and Development Course
or
Field Management Emphasis (12 hours)
MFGET 162: Welding Processes and Procedures 3
TM 606: Industrial Supervision 3
CMCET 637: Construction Surveying II 3
Approved Leadership course# 3
#Approved Leadership courses include:
 LDSP 600 Foundations of Leadership
 TM 520 Leadership in the Workplace
 MIL 303 Leadership Assessment and Development Course

or
Residential Construction Emphasis (12 hours)
CMCET 332: Residential Design 3
CMCET 336: Residential Land Development   3
CMCET 338: Residential Codes/Inspection   3
CMCET 435: Residential Construction Methods and Management   3
or
Civil Construction Emphasis (12 hours)
CMCET 637: Construction Surveying II   3
CMCET 650: Civil Virtual Design and Construction   3
CMCET 651: Heavy/Highway/Bridge Construction   3
CMCET 652: Utility Construction   3
or
Building Information Modeling (BIM) Emphasis (12 hours)
CMCET 340: Building Information Modeling (BIM)   3
CMCET 640: BIM Management 3
CMCET 650: Civil Virtual Design and Construction   3
CMCET 795: Special Topics in CMCET: Laser Scanning   3
or
Safety Management Emphasis (12 hours)
EST 512: Risk Assessment   3
EST 630: Safety Management   3
           AND
Select 6 hours from:
EST 204: Introduction to Fire Safety   3
EST 326: Basic Electrical Safety 3
EST 514: Industrial Hygiene   3
EST 516: Hazardous Materials   3
EST 629: Legal Issues in Environmental Health and Safety   3

GENERAL EDUCATION REQUIREMENTS
(47-51 hrs.)
Basic Skills   12 hours
        COMM 207   Speech Communication   3
        ENGL   101   English Composition   3
        ENGL   190   Honors English Composition   3
        OR ENGL 299 Introduction to Research Writing 3
        MATH   113   College Algebra 3

Sciences   8-9 hours
Natural Sciences (Select one)
        BIOL   111/112 General Biology and Laboratory   5
        BIOL   113   Environmental Life Science   4
        BIOL   211   Principles of Biology I   4
Physical Sciences (Select one)*
        PHYS   160/165 Physical Geology and Laboratory   4
        PHYS   166/167 Meteorology and Laboratory   4
        PHYS   171/172 Physical Science and Laboratory   4
        PHYS   175/176 Descriptive Astronomy and Laboratory 4
        PHYS   375/176 Solar System Astronomy and Laboratory   4
Social Studies   3 hours

| | SOC | 100 | Introduction to Sociology | 3 |
| | WGS | 200 | Introduction to Women's Studies | 3 |

Political Studies (Select one) 3 hours
| | POLS | 101 | U.S. Politics | 3 |
| | POLS | 103 | Comparative Political Institutions | 3 |

Producing and Consuming 6 hours

Economy
| | ECON | 191 | Issues in Today's Economy | 3 |

Business
| | ACCTG | 201 | Financial Accounting | 3 |

Fine Arts and Aesthetic Studies (Select one) 2-3 hours
ART	155	Printmaking and Paper Arts	3
	ART	178	Introduction to the Visual Arts	3
	ART	188	The Designed World	3
	ART	217	Crafts I	3
ART	222	Jewelry Design I	3
	ART	233	Drawing I	3
	ART	244	Ceramics I	3
	ART	266	Sculpture I	3
	ART	277	Painting I	3
	ART	288	Introduction to Art History I	3
	ART	289	Introduction to Art History II	3
	ART	311	Art Education	3
	ART	351	Printmaking, Papermaking, Bookarts and the Letterpress	3
	ART	430	Automotive: Art and Design	3
	COMM	105	Performance Appreciation	3
	COMM	205	Performance Studies	3
	COMM	395	Theatre History	3
	ENGL	250	Introduction to Creative Writing	3
	HHP	151	Dance Appreciation	3
	MUSIC	120	Music Appreciation	3
	MUSIC	121	Introduction to Music Literature	2

Cultural Studies (Select one) 3 hours   MLL   114   Chinese Language and Culture I 5
	ANTH	101	Introduction to Cultural Anthropology	3
	MLL	114	Chinese Language and Culture I	3
	MLL	124	French Language and Culture I	3
	MLL	154	Spanish Language and Culture I	3
	MLL	184	Russian Language and Culture I	3
	MLL	194	Korean Language and Culture I	3
	GEOG	106	World Regional Geography	3
	GEOG	300	Elements of Geography	3
	GEOG	304	Human Geography	3
	WGS	399	Global Women's Issues	3

Health and Well Being 4-6 hours

Psychological
| | PSYCH | 155 | General Psychology | 3 |

Physical (Select one)
| | FCS | 203 | Nutrition and Health. | 3 |
| | FCS | 301 | Nutrition | 3 |

| HHP | 150 | Lifetime Fitness Concepts. | 1 |
| NURS | 303 | Introduction to Public Health | 3 |

Human Heritage   6 hours
(Select one from two of the following three categories)
History

HIST	101	World History to 1500.	3
HIST	102	World History from 1500	3
HIST	201	American History to 1865.	3
HIST	202	American History from 1865	3

Literature

ENGL	113	General Literature.	3
ENGL	114	General Literature(Genre)	3
ENGL	116	General Literature(Theme).	3
ENGL	120	Literature and Film	3
ENGL	315	Mythology	3
ENGL	320	Literature and Film	3

Philosophy

PHIL	103	Introduction to Philosophy.	3
PHIL	105	Ethics	3
PHIL	112	Biomedical Ethics	3
PHIL	113	Business Ethics	3
PHIL	114	Environmental Ethics.	3
PHIL	207	Critical Thinking..	3
PHIL	208	Logic	3
PHIL	231	World Religions.	3

Proposed Major or Minor/Emphasis/Certificate:

List below, the proposed curriculum **as you wish it to appear** in the online catalog:
Major Requirements*

Technical Specialties (53 hours)
CMCET 133: Construction Graphics   3
CMCET 234: The Construction Industry   2
CMCET 235: Methods of Construction-Light Frame & Finishes   2
CMCET 330: Mechanical Systems (HVAC)   3
CMCET 331: Electrical Systems   3
CMCET 333: Theory of Structures   3
CMCET 334: Methods of Construction-Sitework and Steel   3
CMCET 335: Methods of Construction-Concrete and Masonry   3
CMCET 337: Construction Materials Testing and Inspection   2
CMCET 350: Mechanical Systems (Plumbing)   2
CMCET 410: Technical Construction Spanish for the Jobsite Supervisor   3
CMCET 434: Civil Construction   3
CMCET 530: Construction Cost Management   3
CMCET 537: Construction Surveying I   3
CMCET 631: Construction Estimating I   3
CMCET 634: Construction Management 3
CMCET 635: Contract Administration   3
CMCET 639: Construction Estimating II   2

CMCET 690: Professional Construction Certification Seminar   1
CMCET 691: Senior Project   3
*A grade of "C" or better is required for credit toward graduation and to satisfy pre-requisite requirements in all CMCET courses, MATH 113 College Algebra (or equivalent), MATH 122 Plane Trigonometry (or equivalent).

Support Courses (14 hours)
CMCET 200: Construction Internship/Cooperative Education (___)   1-6
 or CMCET 300: Construction Internship/Cooperative Education (___)   1-6
 or CMCET 400: Construction Internship/Cooperative Education (___)   1-6
MATH 122: Plane Trigonometry 3
ENGL 301: Technical/Professional Writing   3
EST 296: Introduction to Construction Safety   3
EST 496: Construction Safety   2
 and EST 497: Construction Safety Laboratory   1
CMCET 401 Investigations in Technology   1
Or CMCET 795 Special Topics in CMCET 1

Minimum of one hour of CMCET 200, 300 or 400 required.

Emphasis Area:
Company Management Emphasis (12 hours)
MGT 101: Introduction to Business   3
MGT 330: Management and Organizational Behavior   3
MGT 430: Legal and Social Environment of Business   3
MGT 540: Human Resource Management   3
or Approved Leadership course#
#Approved Leadership courses include:
LDSP 600 Foundations of Leadership
TM 520 Leadership in the Workplace
MIL 303 Leadership Assessment and Development Course
or
Field Management Emphasis (12 hours)
MFGET 162: Welding Processes and Procedures 3
TM 606: Industrial Supervision   3
CMCET 637: Construction Surveying II   3
Approved Leadership course#   3
#Approved Leadership courses include:
 LDSP 600 Foundations of Leadership
 TM 520 Leadership in the Workplace
 MIL 303 Leadership Assessment and Development Course

or
Residential Construction Emphasis (12 hours)
CMCET 332: Residential Design 3
CMCET 336: Residential Land Development   3
CMCET 338: Residential Codes/Inspection   3
CMCET 435: Residential Construction Methods and Management   3
or
Civil Construction Emphasis (12 hours)
CMCET 637: Construction Surveying II   3
CMCET 650: Civil Virtual Design and Construction   3

CMCET 651: Heavy/Highway/Bridge Construction   3
CMCET 652: Utility Construction   3
or
Building Information Modeling (BIM) Emphasis (12 hours)
CMCET 340: Building Information Modeling (BIM)   3
CMCET 640: BIM Management 3
CMCET 650: Civil Virtual Design and Construction   3
CMCET 795: Special Topics in CMCET: Laser Scanning   3
or
Safety Management Emphasis (12 hours)
EST 512: Risk Assessment   3
EST 630: Safety Management   3
          AND
Select 6 hours from:
EST 204: Introduction to Fire Safety   3
EST 326: Basic Electrical Safety 3
EST 514: Industrial Hygiene   3
EST 516: Hazardous Materials   3
EST 629: Legal Issues in Environmental Health and Safety   3

PATHWAY COURSE REQUIREMENTS
(41 hrs.)
Core Elements   12 hours
        COMM 207   Speech Communication   3
        ENGL   101   English Composition   3
        ENGL   190   Honors English Composition
        OR ENGL 299 Introduction to Research Writing 3
        MATH   113   College Algebra 3

ESSENTIAL ELEMENT (29)
One Pathway course from D3 Group (Non-verbal/Creative)......3
Two Pathway courses from E1 Group (Diverse Perspective).....6
Two Pathway courses from E2 Group (Social Responsibility)... 6
PHYS 171/172 Physical Science + Lab   4
EXSCI 200 or HHP 150   1
PSYCH 155 General Psychology 3

Elective
BIOL 113 Env. Life Science   4

UGS 150 Gorilla Gateway   2

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>none</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:
   _____

3. Will this revision have specific General Education courses required? ☒ Yes   ☐ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes   ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   <u>Not sure</u>

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines?
   (minimum of 24 hours) ☐ Yes   ☒ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☐ Yes   ☒ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date _3.4.2019_ Signature, Department Chairperson **James Otter** Digitally signed by James Otter
DN: C=US, E=jotter@pittstate.edu, O=Pittsburg State University, OU="School of Construction ", CN=James Otter
Date: 2019.04 13:08:49-06'00'

☒ Approved: College Curriculum Committee
Date _4.5.19_ Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date _4.10.19_ Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date _4-29-19_ Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum

Revision for: ☒ Major ☐ Minor ☐ Emphasis ☐ Certificate

Department: <u>SOC</u>   College: <u>COT</u>   This program is to be offered 50% or more online as a Hybrid_____
This program is to be offered fully online_____

Submission Date: <u>3.4.2019</u>   Revision Effective: Fall, <u>2019</u>
(Year)

Contact Person: <u>James Otter</u> ☐ Faculty member ☒ Chair

Name of Existing Major or Minor/Emphasis/Certificate: <u>Construction Engineering Technology</u>

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
_____

Description of Change: <u>Change in Construction ET program to meet the new Pathways requirements and to meet the KBOR 120 hour requirements. The Const ET program will drop a number of previously required courses in order to add all the Pathway requirements.</u>

Rationale for Change (include changes to curriculum objectives): <u>To meet KBOR 120 hour mandate and to meet PSU Pathway requirements</u>

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation.
<u>No impact on any other program</u>

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☒ Yes ☐ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>Maybe. For any program that takes any courses in the Construction ET program as an elective they may be impacted by some of the changes.</u>

Existing Major or Minor/Emphasis/Certificate

Copy and paste the existing curriculum **as it currently appears** in the online catalog:
Major Requirements* Technical Specialties (60 hours)
CMCET 133: Construction Graphics 3
CMCET 234: The Construction Industry 3
CMCET 235: Methods of Construction-Light Frame & Finishes 2
CMCET 330: Mechanical Systems (HVAC) 3
CMCET 331: Electrical Systems 3
CMCET 334: Methods of Construction-Sitework and Steel 3
CMCET 335: Methods of Construction-Concrete and Masonry 3
CMCET 337: Construction Materials Testing and Inspection 2
CMCET 350: Mechanical Systems (Plumbing) 2

CMCET 431: Structural Loads 1
CMCET 434: Civil Construction 3
CMCET 530: Construction Cost Management 3
CMCET 536: Temporary Structures 2
CMCET 537: Construction Surveying I 3
CMCET 631: Construction Estimating I 3
CMCET 632: Steel and Wood Structures 3
CMCET 633: Concrete Structures 3
CMCET 634: Construction Management 3
CMCET 635: Contract Administration 3
CMCET 637: Construction Surveying II 3
CMCET 638: Foundation and Soil Mechanics 3
CMCET 639: Construction Estimating II 2
CMCET 690: Professional Construction Certification Seminar 1
CMCET 691: Senior Project 3
CMCET 234 The Construction Industry meets general education requirements.
*A grade of "C" or better is required for credit toward graduation and to satisfy pre-requisite requirements in all CMCET courses, MATH 122 Plane Trigonometry (or equivalent.

Support Courses (27-28 hours)**
PHYS 101: College Physics II 4
and PHYS 131: Elementary Physics Laboratory II 1
or PHYS 105: Engineering Physics II 4
or CHEM 112: Essentials of Chemistry 3
and CHEM 113: Essentials of Chemistry Laboratory 1
or CHEM 215: General Chemistry I 3
and CHEM 216: General Chemistry I Laboratory 2
MATH 122: Plane Trigonometry 3
MATH 143: Elementary Statistics 3
MATH 150: Calculus I 5
MECET 220: Statics 3
or PHYS 220: Engineering Mechanics I-Statics 3

MECET 423: Mechanics of Materials 3
ENGL 301: Technical/Professional Writing 3
ACCTG 201: Financial Accounting 3
EST 396: Introduction to Construction Safety 3
CMCET 200: Cooperative Education (___) 1-6
or CMCET 300: Cooperative Education (___) 3-6
or CMCET 400: Cooperative Education (___) 3-6

CMCET 200, 300 or 400 should be taken for at least 3 hours.
MATH 143 Elementary Statistics and ACCTG 201 Financial Accounting meet general education requirements. **
Mathematics classes below MATH 122 Plane Trigonometry do not count towards degree requirements.
Accredited by the Engineering Technology Accreditation Commission of ABET, 111 Market Place Suite 1050, Baltimore, MD 21202 (410)625-2238 http://www.abet.org

GENERAL EDUCATION REQUIREMENTS (42-46 hrs.)
Basic Skills 12 hours COMM 207   Speech Communication 3
ENGL 101   English Composition 3
ENGL 190   Honors English Composition 3

OR ENGL 299 Introduction to Research Writing 3
MATH 143 Elementary Statistics 3

Sciences 9-10 hours Natural Sciences (Select one)
BIOL 111/112 General Biology and Laboratory................ 5
BIOL 113 Environmental Life Science 4
BIOL 211 Principles of Biology I 4
Physical Sciences (Select one) PHYS 100 College Physics I 4
OR PHYS 104 Engineering Physics I .... 4 P
HYS 130 Elementary Physics Laboratory I 1

Social Studies (Select one) 3 hours
SOC 100 Introduction to Sociology 3
WGS 200 Introduction to Women's Studies 3

Political Studies (Select one) 3 hours POLS 101 U.S. Politics 3
POLS 103 Comparative Political Institutions 3

Producing and Consuming 6 hours
Technology
CMCET 234 The Construction Industry. 3
Business ACCTG 201 Financial Accounting 3

Fine Arts and Aesthetic Studies/Cultural Studies (Select one) 2-3 hours
ANTH 101 Introduction to Cultural Anthropology 3
ART 155 Printmaking and Paper Arts 3 ART 178 Introduction to the Visual Arts 3
ART 188 The Designed World 3
ART 217 Crafts I.. 3
ART 222 Jewelry Design I 3
ART 233 Drawing I 3
ART 244 Ceramics I 3
ART 266 Sculpture I 3
ART 277 Painting I 3
ART 288 Introduction to Art History I 3
ART 289 Introduction to Art History II 3
ART 311 Art Education 3
ART 351 Printmaking, Papermaking, Bookarts and the   Letterpress 3
ART 430 Automotive: Art and Design 3
COMM 105 Performance Appreciation 3
COMM 205 Performance Studies 3
COMM 395 Theatre History 3
ENGL 250 Introduction to Creative Writing 3
HHP 151 Dance Appreciation 3
MUSIC 120 Music Appreciation 3
MUSIC 121 Introduction to Music Literature 2
MLL 114 Chinese Language and Culture I 3
MLL 124 French Language and Culture I 3
MLL 154 Spanish Language and Culture I 3
MLL 184 Russian Language and Culture I 3
MLL 194 Korean Language and Culture I 3
GEOG 106 World Regional Geography 3

GEOG 300 Elements of Geography 3
GEOG 304 Human Geography 3
WGS 399 Global Women's Issues 3

Health and Well Being 4-6 hours
Psychological
PSYCH 155 General Psychology 3
Physical (Select one) FCS 203 Nutrition and Health. 3
FCS 301 Nutrition...3
HHP 150 Lifetime Fitness Concepts. 1
NURS 303 Introduction to Public Health 3

Human Heritage 3 hours (Select one from one of the following three categories)
History
 HIST 101 World History to 1500. 3
HIST 102 World History from 1500 3
 HIST 201 American History to 1865. 3
HIST 202 American History from 1865 3

Literature ENGL 113 General Literature. 3
ENGL 114 General Literature(Genre) 3
ENGL 116 General Literature(Theme). 3
ENGL 120 Literature and Film 3
ENGL 315 Mythology 3
ENGL 320 Literature and Film 3

Philosophy PHIL 103 Introduction to Philosophy. 3
PHIL 105 Ethics 3
PHIL 112 Biomedical Ethics 3
 PHIL 113 Business Ethics 3
PHIL 114 Environmental Ethics. 3
PHIL   207 Critical Thinking.............................3
PHIL 208 Logic 3
PHIL 231 World Religions. 3

Proposed Major or Minor/Emphasis/Certificate:
List below, the proposed curriculum **as you wish it to appear** in the online catalog:
Major Requirements*
Technical Specialties (63 hours)
CMCET 133: Construction Graphics   3
CMCET 234: The Construction Industry   2
CMCET 235: Methods of Construction-Light Frame & Finishes   2
CMCET 330: Mechanical Systems (HVAC)   3
CMCET 331: Electrical Systems   3
CMCET 334: Methods of Construction-Sitework and Steel   3
CMCET 335: Methods of Construction-Concrete and Masonry   3
CMCET 337: Construction Materials Testing and Inspection   2
CMCET 350: Mechanical Systems (Plumbing)   2
CMCET 431: Construction Structural Loads/Strengths of Materials   2

CMCET 434: Civil Construction   3
CMCET 530: Construction Cost Management   3
CMCET 536: Temporary Structures   2
CMCET 537: Construction Surveying I   3
CMCET 631: Construction Estimating I   3
CMCET 632: Steel and Wood Structures 3
CMCET 633: Concrete Structures   3
CMCET 634: Construction Management 3
CMCET 635: Contract Administration   3
CMCET 637: Construction Surveying II   3
CMCET 638: Foundation and Soil Mechanics   3
CMCET 639: Construction Estimating II   2
CMCET 690: Professional Construction Certification Seminar   1
CMCET 691: Senior Project   3

*A grade of "C" or better is required for credit toward graduation and to satisfy pre-requisite requirements in all CMCET courses, MATH 122 Plane Trigonometry (or equivalent).

** Mathematics classes below MATH 122 Plane Trigonometry do not count towards degree requirements

Accredited by the Engineering Technology Accreditation Commission of ABET, 111 Market Place Suite 1050, Baltimore, MD 21202 (410)625-2238 http://www.abet.org

Support Courses (15 hours)**
MATH 122: Plane Trigonometry 3
MATH 143: Elementary Statistics (Part of Pathway)
MATH 150: Calculus I   5
MECET 220: Statics   3
 or PHYS 220: Engineering Mechanics I-Statics
EST 296: Introduction to Construction Safety   3
CMCET 200: Construction Internship/Cooperative Education (___)   1
 or CMCET 300: Construction Internship/Cooperative Education (___)   1
 or CMCET 400: Construction Internship/Cooperative Education (___)   1

CMCET 200, 300 or 400 should be taken for at least 1 hours.

PATHWAY COURSE REQUIREMENTS (42 hrs.)
Core Elements   12 hours
        COMM 207   Speech Communication   3
        ENGL   101   English Composition   3
        ENGL   190   Honors English Composition
        OR ENGL 299 Introduction to Research Writing 3
        MATH 143   Elementary Statistics   3

ESSENTIAL ELEMENT (30)
One Pathway course from D3 Group (Non-verbal/Creative)......3
Two Pathway courses from E1 Group (Diverse Perspective).....6
Two Pathway courses from E2 Group (Social Responsibility)... 6
PHYS 100 College Physics I
or PHYS 104 Eng. Physics I with
PHYS 130 Elem. Physics Lab 1 (Scientific Inquiry) 5

Wellness
EXSCI 200 or HHP 150   1
PYSCH 155 General Psychology 3
Elective
BIOL 113 Env. Life Science   4

UGS 150 Gorilla Gateway   2

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>none</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes ☒ No *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:

   _____

3. Will this revision have specific General Education courses required? ☒ Yes ☐ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   <u>Not sure</u>

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines?
   (minimum of 24 hours) ☐ Yes ☒ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☐ Yes ☒ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☒ Approved: Department Chairperson
Date _3.4.2019_ Signature, Department Chairperson **James Otter** Digitally signed by James Otter
DN: C=US, E=jlotter@pittstate.edu, O=Pittsburg State University, OU="School of Construction ", CN=James Otter
Date: 2019 13:08:49-06'00'

☒ Approved: College Curriculum Committee
Date _4.5.19_ Signature, College Curriculum Committee Chair _____

☒ Approved: Dean of College
Date _4.10.19_ Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date _4-24-19_ Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required): Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum

Revision for: ☒ Major ☐ Minor ☐ Emphasis ☐ Certificate

Department: GIT   **College:** Technology   This program is to be offered 50% or more online as a Hybrid NO
This program is to be offered fully online NO

Submission Date: 3/1/19 Revision Effective: Fall, 2019
(Year)

Contact Person: Doug Younger ☐ Faculty member ☒ Chair

Name of Existing Major or Minor/Emphasis/Certificate: Bachelor of Applied Science in Technology with an Emphasis in Digital and Print Media

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
NA

Description of Change: Dropping degree requirement from 124 hours to 120 hours. Changing from General Education curriculum to Pitt State Pathways.

Rationale for Change (include changes to curriculum objectives): These changes are being initiated to comply with KBOR requirements that Bachelor degrees be reduced to 120 hours. Changes are being made to accommodate the new Pitt State Pathways curriculum.

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation.
This degree is a stand-only degree in GIT and is not a part of any other degree or program.

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This degree is a stand-only degree in GIT and is not a part of any other degree or program.

Existing Major or Minor/Emphasis/Certificate

Copy and paste the existing curriculum **as it currently appears** in the online catalog:
GENERAL EDUCATION REQUIREMENTS
Basic Skills
ENGL 101 English Composition 3
ENGL 299 IntroductiontoResearchWriting......................3
COMM 207 SpeechCommunication.................................3
COMM 207 as well as ENGL 299 can have other courses substituted in their place.

Behavioral, Social, History & Political Studies
PSYCH 155 General Psychology 3
SOC 100 or IntroductiontoSociology................................3
POLS 101 U.S. Politics 3

or HIST 101 World History to 1500 3
or HIST 201 American History to 1865 3
or GT 350 Technology and Civilization 3
or Social Science and/or Political Studies Elective.................... 3

Mathematics
MATH 113 CollegeAlgebra..3
MATH 143 ElementaryStatistics...3
MATH 143 required for MFGET 405

Natural Sciences (Minimum of 6 hours)
BIOL 113 EnvironmentalLifeScience............................4
PHYS 171 PhysicalScience......................................3
and PHYS172 Physical Science Laboratory............................. 1
BIOL 113 can be substituted by another natural science course.
PHYS 171 can be substituted by another physical science course.

Producing and Consuming
ACCTG 201 Financial Accounting 3
or Approved business substitute.. 3

Fine Arts (Humanity course) ART 178 IntroductiontotheVisualArts..........................3
or fine arts substitute

Languages and Cultures (Select one)
GEOG 106 World Regional Geography............................... 3
GEOG 300 Elements of Geography 3
GEOG 304 Human Geography 3
or Language or Cultural Studies substitute

Support Courses

Business Courses
MGMKT 327: Management and Organizational Behavior 3
MGMKT 330: Principles of Marketing 3
MGMKT 444: Legal and Social Environment of Business 3

Technical Courses
Tech Management (Organization & Leadership) (12 hours)
GIT 562: Graphics Cost Analysis and Estimating 3
GIT 680: Graphics Administration 3
TM 606: Industrial Supervision 3
EST 393: Introduction to Industrial Safety 3

Technical Specialization, Support and Electives

Technical Specialization (40 hours)
Technical courses from 2-Year associate degree (40 hours)

Technical Support (11 hours)
MFGET 405: Quality Control 3
GIT 301: Graphics Career Development 2

GIT 600: Graphics Internship 3
GIT 650: Production Graphics 3
or GIT 690: Senior Project 3

Technical Electives (13-14 hours)
Select 13-14 hours of upper division GIT courses not already taken (13- 14 hours)

Electives (0-4 hours)
Select 0-4 hours of General, Business or Technical Electives (0-4 hours)

Proposed Major or Minor/Emphasis/Certificate:

List below, the proposed curriculum as you wish it to appear in the online catalog:
Pitt State Pathways

Core Elements   12
Written Communication   6
We accept all courses designated for this Pitt State Pathway.

Verbal Communication   3
We accept all courses designated for this Pitt State Pathway.

Quantitative/Analytic Methods   3
We accept all courses designated for this Pitt State Pathway.

Essential Studies   23-24
Human Experience within a Global Context   3-6
We accept all courses designated for this Pitt State Pathway.

Human Systems within a Global Context   9-12
We accept all courses designated for this Pitt State Pathway.

Natural World within a Global Context   4-5
We accept all courses designated for this Pitt State Pathway.

Wellness Strategies   4 (3+1)
We accept all courses designated for this Pitt State Pathway.

Electives   3
A course that covers any Essential Studies or Companion
Element of the Pitt State Pathways   3

Gorilla Gateway   2
UGS 150 Gorilla Gateway   2
Total Pitt State Pathways   40-41

Technical Specialization, Support and Electives
Technical Specialization   40 hours
Technical courses taken during 2-Year associate degree.

Business Courses

Business Courses   9 hours
MGT 330: Management and Organizational Behavior   3
MKTG 330: Principles of Marketing   3
MGT 430: Legal and Social Environment of Business   3

Technical Courses
Tech Management (Organization & Leadership) 9 hours
GIT 562: Graphics Cost Analysis and Estimating   3
GIT 680: Graphics Administration   3
TM 606: Industrial Supervision   3

Technical Support   8 hours
GIT 301: Graphics Career Development 2
GIT 600: Graphics Internship   3
GIT 650: Production Graphics   3
or GIT 690: Senior Project   3

Technical Electives   13-14 hours
Select 13-14 hours of upper division GIT courses not already taken

Total hours required   120 hours.

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
    <u>No</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
    ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

    Please give the rationale for additional student fees:
    <u>NA</u>

3. Will this revision have specific General Education courses required? ☐ Yes ☒ No
    Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes ☒ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
    <u>None</u>

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines?
    (minimum of 24 hours) ☐ Yes   ☐ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☐ Yes   ☐ No

    If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ **Approved: Department Chairperson**
Date 3/1/19 Signature, Department Chairperson _____

☐ **Approved: College Curriculum Committee**
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ **Approved: Dean of College**
Date 4.10.19 Signature, Dean _____

☐ **Approved: General Education Committee (if applicable)**
Date _____ Signature, General Education Committee Chair _____

☐ **Approved: Council for Teacher Education (if applicable)**
Date _____ Signature, Council for Teacher Education Chair _____

☒ **Approved: Faculty Senate University Undergraduate Curriculum Committee**
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ **Approved: Faculty Senate**
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ **Final approved packet forwarded to Provost's office.**
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

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Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum

Revision for: ☒ Major ☐ Minor ☐ Emphasis ☐ Certificate

Department: ETECH **College:** Technology   This program is to be offered 50% or more online as a Hybrid_____
This program is to be offered fully online_____

Submission Date: 03/01/19   **Revision Effective:** Fall, 2019

(Year)

Contact Person: David Miller ☒ Faculty member ☐ Chair

Name of Existing Major or Minor/Emphasis/Certificate: Mechanical Engineering Technology

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:

_____

Description of Change: Added ART 233, SOC 100, EET 247; Removed ENGL 301, MATH 126, CIS 230, PHIL 105; Changed UGS 100 to UGS 150; Modified number of Tech Elective hours as required for each emphasis; Changes to sequence to balance course load.

Rationale for Change (include changes to curriculum objectives): Revisions to meet KBOR 120-hour and new Pitt Pathway requirements

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation.
Changes are to an existing PSU degree program

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
Required changes will affect support, General Education, and elective courses that were previously taken from other departments across campus.

Existing Major or Minor/Emphasis/Certificate

Copy and paste the existing curriculum **as it currently appears** in the online catalog:
Major Requirements Technical Sciences (43 hours)
MFGET 263 Manufacturing Methods I (satisfied by general education) (2 hours)
MECET 121: Engineering Graphics I 3
MECET 220: Statics ....3 or PHYS 220: Engineering Mechanics I-Statics
...................................3
MECET 226: Computer Aided Design 3
MFGET 268: Manufacturing Methods I Laboratory 1
ETECH 296: Materials in Industry 3
MECET 323: Advanced Engineering Graphics 3
EET 340: Introduction to Industrial Automation 3
MECET 420: Kinematics 2

MECET 423: Mechanics of Materials 3
MECET 424: Mechanics of Materials Laboratory 1
MECET 428: Thermodynamics ....3 or PHYS 514: Applied Thermodynamics
...................................3
ETECH 502: Engineering Economy 3
MECET 523: Mechanical Design I 3
MECET 524: Fluid Mechanics 3
MECET 525: Fluid Mechanics Laboratory 1
MFGET 666: Manufacturing and Design Project I 2
MFGET 669: Manufacturing and Design Project II 3
MECET 220 Statics and MECET 428 Thermodynamics is preferred.
Technical Specialties (Choose an emphasis)*
Emphasis I- Design (12 hours)
MECET 522: Dynamics ....3 or PHYS 522: Engineering Mechanics II--Dynamics
..........................3
MECET 528: Computer Aided Modeling 3
MECET 623: Mechanical Design II 3
MECET 682: Heat Transfer 3
MECET 522 Dynamics is preferred.
Emphasis II- Manufacturing (13 hours)
MFGET 363: Principles of Tool Design 3
MFGET 367: Manufacturing Methods II 4
MFGET 567: Principles of Metalcasting 3
MFGET 661: Computer Aided Manufacturing 3
Emphasis III- Electromechanical (12 hours)
EET 141: Introductory Electronics 3
EET 244: Logic Circuits ....3 EET
448: Network Systems 3
EET 649: Advanced Programmable Logic Controllers 3
Emphasis IV- Automotive (12 hours)**
Choose 12 hours from the following:
AT 301: Fundamentals of Collision Technology 3
AT 314: Manual Transmission and Drivelines 3
AT 340: Diesel Engine Fundamentals 3
AT 414: Automatic Transmissions 3
AT 418: Failure Analysis 3
AT 515: Engine Performance 3
Emphasis V- Biomedical (12 hours)^+
MECET 522: Dynamics 3
MECET 528: Computer Aided Modeling 3
MECET 627: Introduction to Biomedical Engineering Technology........3
MECET 682: Heat Transfer 3
*Student must declare either design, manufacturing, electromechanical, automotive or biomedical emphasis and follow emphasis sequence.
**It is recommended Approved Technical Electives be completed from the Automotive area for this emphasis.
In order to meet the requirements of the Engineering Technology Accreditation Commission of ABET, http://www.abet.org., partial waivers for the Pittsburg State University general education requirements have been allowed.
^Biomedical emphasis requires that students take BIOL 111 General Biology and BIOL 112 General Biology Laboratory instead of BIOL 113 Environmental Life Science for general education.
Support Courses (25-26 hours)

PHYS 101: College Physics II ....4 or PHYS 105: Engineering Physics II
....4

PHYS 131: Elementary Physics Laboratory II 1

CHEM 215: General Chemistry I 3

CHEM 216: General Chemistry I Laboratory 2

MATH 150: Calculus I 5

MATH 155: Calculus II ....5 or MATH 154: Engineering Calculus II
....4

ENGL 301: Technical/Professional Writing 3

CIS 230: Introduction to Programming ....3 or CIS 240: Intermediate Programming
....3

PHYS 105 Engineering Physics II and MATH 154 Engineering Calculus II are preferred.

Approved Technical Electives (requires advisor's approval) (10 hours)+

Biomedical Technical Electives:

BIOL 257: Anatomy and Physiology 3

BIOL 258: Anatomy and Physiology Laboratory 2

BIOL 410: Biological and Medical Terminology 2

ETECH 670: Professional Certification Seminar 1

MATH 212: Matrix Algebra 2

+Students in the biomedical emphasis have all of their technical elective hours accounted for by the program. Total Hours for Bachelor of Science in Engineering TechnologyMechanical Engineering Technology (127-132 hours)

GENERAL EDUCATION REQUIREMENTS (37-40 hrs.)

Basic Skills 13 hours

COMM 207 Speech Communication................................. 3

ENGL 101 English Composition....................................... 3

ENGL 190 Honors English Composition......................... 3 or ENGL 299 Introduction to Research Writing...................... 3

MATH 126 Pre-Calculus....................................... 4

Sciences 9-10 hours Natural Sciences^ (Select one)

BIOL 113 Environmental Life Science 4

Physical Sciences (Select one)

PHYS 100 College Physics I... 4 or PHYS 104 Engineering Physics I 4

PHYS 130 Elementary Physics Laboratory I 1

Social Studies 3 hours

SOC 100 Introduction to Sociology 3

WGS 200 Introduction to Women's Studies 3

Health and Well Being 4-6 hours

Psychological

PSYCH 155 General Psychology 3

Physical (Select one) F

CS 203 Nutrition and Health.. 3

FCS 301 Nutrition... 3

HHP 150 Lifetime Fitness Concepts. 1

NURS 303 Introduction to Public Health............................ 3

Producing and Consuming 5 hours

Technology

MFGET 263 Manufacturing Methods I. 2

Economy/Business (Select one)

ACCTG 201 Financial Accounting 3

MGT 101 Introduction to Business 3

MGT 105 Introduction to Entrepreneurship...................... 3

ECON 191 Issues in Today's Economy 3

ECON 200 Principles of Microeconomics .... 3 or ECON 201 Principles of Macroeconomics 3

Select one course from Political Studies, Fine Arts & Aesthetic Studies, Cultural Studies or Human Heritage 3 hours

Political Studies

POLS 101 U.S. Politics.. 3

POLS 103 Comparative Political Institutions 3

Fine Arts and Aesthetic Studies

ART 155 Printmaking and Paper Arts.............................. 3

ART 178 Introduction to the Visual Arts 3

ART 188 The Designed World.. 3

ART 217 Crafts I.. 3

ART 222 Jewelry Design I 3

ART 233 Drawing I 3

ART 244 Ceramics I 3

ART 266 Sculpture I 3

ART 277 Painting I.. 3

ART 288 Introduction to Art History I.............................3

ART 289 Introduction to Art History II............................3

ART 311 Art Education..3

ART 351 Printmaking, Papermaking, Bookarts and the Letterpress... 3

ART 430 Automotive: Art and Design................................ 3

COMM 105 Performance Appreciation...............................3

COMM 205 Performance Studies......................................3

COMM 395 Theatre History...3

ENGL 250 Introduction to Creative Writing 3

HHP 151 Dance Appreciation...3

MUSIC 120 Music Appreciation......................................3

MUSIC 121 Introduction to Music Literature 2

Cultural Studies

ANTH 101 Introduction to Cultural Anthropology...............3

MLL 114 Chinese Language and Culture I 5

MLL 124 French Language and Culture I.......................5

MLL 154 Spanish Language and Culture I 3

MLL 184 Russian Language and Culture I 3

MLL 194 Korean Language and Culture I.......................3

GEOG 106 World Regional Geography 3

GEOG 300 Elements of Geography...................................3

GEOG 304 Human Geography...3

WGS 399 Global Women's Issues....................................3

Human Heritage

History

HIST 101 World History to 1500......................................3

HIST 102 World History from 1500...................................3

HIST 201 American History to 1865. 3

HIST 202 American History from 1865 3

Literature

ENGL 113 General Literature. 3

ENGL 114 General Literature(Genre) 3

ENGL 116 General Literature(Theme). 3

ENGL 120 Literature and Film 3

ENGL 315 Mythology...3

ENGL 320 Literature and Film 3

Philosophy

PHIL 103 Introduction to Philosophy. 3
PHIL 105 Ethics 3
PHIL 112 Biomedical Ethics...3
PHIL 113 Business Ethics..3
PHIL 114 Environmental Ethics......................................3
PHIL 207 Critical Thinking...3
PHIL 208 Logic 3
PHIL 231 World Religions. 3
Notes: ^Biomedical emphasis requires that students take BIOL 111 General Biology and BIOL 112 General Biology
Laboratory instead of BIOL 113 Environmental Life Science for general education.

Proposed Major or Minor/Emphasis/Certificate:

List below, the proposed curriculum **as you wish it to appear** in the online catalog:

Technical Sciences   36

MECET 220	Statics	3
MECET 226	Computer Aided Design	3
ETECH 296	Materials in Industry	3
MECET 323	Adv. Eng. Graphics	3
EET 340	Intro to Industrial Automation+	3
MECET 420	Kinematics	2
MECET 423	Mechanics of Materials	3
MECET 424	Mechanics of Materials Lab	1
MECET 428	Thermodynamics	3
MECET 523	Mech. Des. I	3
MECET 524	Fluid Mechanics	3
MECET 525	Fluid Mechanics Lab	1
MFGET 666	Project I	2
MFGET 669	Project II	3

Support Courses   19

PHYS 104	Engineering Physics I	4
or PHYS	100 College Physics I	
PHYS 105	Engineering Physics II	4
or PHYS	105 College Physics II	
PHYS 130	Elementary Physics Lab I	1
PHYS 131	Elementary Physics Lab II	1
MATH 154	Engineering Calculus II	4
or MATH	155 Calculus II (5 hr)	
CHEM 215	General Chemistry I	3
CHEM 216	General Chemistry I Lab	2

PHYS 104, PHYS 105, MATH 154 are preferred
Students must declare one of the approved emphasis areas and follow the emphasis sequence.

Tech Elective
Required number of technical elective hours will vary by emphasis area and must be approved by the student's academic adviser. Suggested Tech Electives include, but aren't limited to:

MATH 212	Matrix Algebra	2
ENGL 301	Technical/Professional Writing	3
MATH 343	Intro to Applied Statistics	3

EST	393	Intro to Industrial Safety	3
MFGET	405	Quality Control (PR statistics class)	3
ETECH	670	Professional Certification Seminar	1

Approved Tech Electives

TST	TECHNOLOGY STUDIES COURSE(S)
TED	TECHNICAL EDUCATION COURSE(S)
ETECH	ENGINEERING TECHNOLOGY COURSE(S)
MECET	MECHANICAL ENGINEERING TECHNOLOGY COURSE(S)
MFGET	MANUFACTURING ENGINEERING TECHNOLOGY COURSE(S)
TECH	TECHNOLOGY COURSE(S)
EET	ELECTRONICS ENGINEERING TECHNOLOGY COURSE(S)
EST	ENVIRONMENTAL AND SAFETY TECHNOLOGY COURSE(S)
GIT	GRAPHICS AND IMAGING TECHNOLOGY COURSE(S)
PET	PLASTICS ENGINEERING TECHNOLOGY COURSE(S)
AT	AUTOMOTIVE TECHNOLOGY COURSE(S)
AST	AUTOMOTIVE SERVICE TECHNOLOGY COURSE(S)
AMMT	ARCHITECTURAL MANUFACTURING MANAGEMENT TECHNOLOGY COURSE(S)
AVT	AVIATION COURSE(S)
HRD	HUMAN RESOURCE DEVELOPMENT COURSE(S)
TE	TECHNOLOGY AND ENGINEERING EDUCATION COURSE(S)
TM	TECHNOLOGY MANAGEMENT COURSE(S)

Technical Specialties

Design   23

MECET	522	Dynamics	3
MECET	528	Computer Aided Modeling	3
MECET	623	Mech Des II	3
MECET	682	Heat Transfer	3
Tech Elective		11	

Electromechanical   23

EET	141	Introductory Electronics	3
EET	244	Logic Circuits	3
EET	448	Network Systems	3
EET	649	Advanced PLC	3
Tech Elective		11	

Biomedical**   22

BIOL	257	Anatomy & Physiology	3
BIOL	258	A&P Lab	2
BIOL	410	Biological/Medical Terminology	2
MECET	522	Dynamics	3
MECET	528	Computer Aided Modeling	3
MECET	627	Intro to Biomed Tech	3
MECET	682	Heat Transfer	3
Tech Elective		3	

Manufacturing   23

MFGET	363	Principles of Tool Design	3
MFGET	367	Manufacturing Methods II	4
MFGET	567	Principles of Metal Casting	3

Manufacturing   23
MFGET 363   Principles of Tool Design   3
MFGET 367   Manufacturing Methods II   4
MFGET 567   Principles of Metal Casting   3
MFGET 568   Metal Casting Processing Lab   2
MFGET 661   CAM   3
Tech Elective   8

Automotive   23
AT   115   Mobile Electrical/Electronics   3
AT   116   Mobile Electrical/Electronics Lab+   3
AT   301   Fundamentals of Collision Tech. 3
AT   314   Manual Trans./Drivelines   3
AT   340   Diesel Engine Fundamentals   3
AT   418   Failure Analysis 3
Tech Elective   8
**Biomedical emphasis students take 1 hour less technical elective because of additional hour of BIOL 112 lab
+Automotive emphasis students can substitute this for EET 340

Pitt State Pathway   42
Core Elements
ENGL   101   English Composition   3
ENGL   299   Introduction to Research Writing   3
COMM 207   Speech Communication 3
MATH   150   Calculus I   5

Electives
MECET 121   Engineering Graphics I 3

Gorilla Gateway
UGS   100   The Freshman Experience   2

Essential Studies
Natural World within a Global Context
BIOL   113   Environmental Life Science*   4
* Biomed Emphasis take BIOL 111/112 (4+1 hr)

Human Experience within a Global Context
3 hours required from approved Human Experience within a Global Context (H.E.) that also satisfies the Non-verbal & Creative Expression (N.V.) companion element. Choose one of the following
ART   188   The Designed World   3
ART   233   Drawing I   3

Human Systems within a Global Context
Students should take the following courses
MFGET 263   Manufacturing Methods I   2
MFGET 268   Manufacturing Methods I Lab   1
EET   247   Computer Prog for Electron. Sys.   3
ETECH 502   Engineering Economy   3

HIST	201	American History to 1865	3
HIST	202	American History from 1865	3
ANTH	101	Introduction to Cultural Anthropology	3
MLL	124	French Language and Culture I	3
MLL	154	Spanish Language and Culture I	3
PHIL	103	Introduction to Philosophy	3
PHIL	231	World Religions	3
WGS	399	Global Women's Issues	3

Welness Strategies

Students should select 4 hours from approved Wellness Strategies (W.S.).   See PittState.edu for a full list of courses that meet this Pitt State Pathway requirement. Options include, but may not be limited to:

DANCE	200	Dance	1
EXSCI	200	Introduction to Exercise Science	1
FCS	203	Nutrition and Health	3
HHP	150	Lifetime Fitness Concepts	1
NURS	303	Introduction to Public Health	3
PSYCH	155	General Psychology	3

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>N/A</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:

   _____

3. Will this revision have specific General Education courses required? ☒ Yes ☐ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   <u>N/A</u>

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines?
   (minimum of 24 hours) ☐ Yes ☐ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☐ Yes ☐ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 3/3/19   Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-29-19 Signature, Undergraduate Curriculum Committee Chair

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate

Notification to COCAO/Kansas Board of Regents (if required):   Date:

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum- Major or Minor/Emphasis/Certificate- Revised Summer 2013

Request for Revision to Curriculum

Revision for: ☒ Major ☐ Minor ☐ Emphasis ☐ Certificate

Department: ETECH **College:** COT   This program is to be offered 50% or more online as a Hybrid_____
This program is to be offered fully online_____

Submission Date: 26 February 2019   **Revision Effective:** Fall, 2019

(Year)

Contact Person: Clark Shaver ☒ Faculty member ☐ Chair

Name of Existing Major or Minor/Emphasis/Certificate: Electronic Engineering Technology

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
N/A

Description of Change: Change of General Education Requirements to meet new PSU Pathways Requirements this includes: Moved MATH150 Calculus I, ETECH502 Engineering Economy, MECET121 Engineering Graphics I from Support Courses to required Pathways Courses. EET247 Computer Programming for Elec. Systems , MFGET 263 Manufacturing Methods I nad MFGET 268 Manufacturing Methods I Laboratory had been cross listed as Support Courses and General Education. They have been moved to required Pathways Courses and are no longer listed as Support Courses. MATH 154: Engineering Calculus II *OR* MATH 155 Calculus II had previously been listed in the support courses. This has been replaced with just MATH 154 Engineering Calculus II. In the Pathways courses, 9 of 12 credit hours in the Human Systems within a Global Context are specified as specific courses that are required. The other 3 hours must be selected from the approved list found in this document. Natural World within a Global Context, Wellness Strategies and the Pathways elective courses are all specified courses. PHYS 104 Engineering Physics I and PHYS 130 Engineering Physics Laboratory I meet the Natural World requirement; PSYCH 155 General Pyschology and HHP 150: Lifetime Fitness Concepts meet the Wellness Strategies requirement and EET247 Computer Programming for Elec. Systems must be taken for the Pathways Elective requirement. Additionally, two emphasis areas have been dropped from the program. Telecomunications Emphasis and the Aerospace Electronics Emphasis.

Rationale for Change (include changes to curriculum objectives): PSU's implementation of the General Education Pathway requirements has instigated a required change to our curriculum. The changes presented herein are designed to meet the new PSU requirements. These changes also reflect the Kansas Board of Regent's requirement that all bachelor degrees are kept to a maximum of 120 credit hours. Additionally two emphasis areas were dropped due to the dean not staffing our empty position and we are now incapable of teaching those courses.

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation.
The PSU - EET program is not affiliated in anyway with other universities.

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
The only affect on other programs will be course load in various general education courses.

Existing Major or Minor/Emphasis/Certificate

Copy and paste the existing curriculum **as it currently appears** in the online catalog:

Basic Skills (12 hours)

ENGL 101: English Composition 3

ENGL 190: Honors English Composition 3

    or ENGL 299: Introduction to Research Writing 3

COMM 207: Speech Communication 3

MATH 143: Elementary Statistics 3

General Education Electives (30-34 hours)

Sciences (9-10 hours)

Natural Sciences (Select one)

BIOL 111: General Biology 3

 and BIOL 112: General Biology Laboratory 2

BIOL 113: Environmental Life Science 4

BIOL 211: Principles of Biology I 4

Physical Sciences (Select one)

PHYS 100: College Physics I 4

or PHYS 104: Engineering Physics I 4

PHYS 130: Elementary Physics Laboratory I 1

PHYS 104 Engineering Physics I is preferred.

Social Studies (Select one) (3 hours)

SOC 100: Introduction to Sociology 3

WGS 200: Introduction to Women's Studies 3

Political Studies (Select one) (3 hours)

POLS 101: U.S. Politics 3

POLS 103: Comparative Political Institutions 3

Producing and Consuming (6 hours)

Technology

MFGET 263: Manufacturing Methods I 2

MFGET 268: Manufacturing Methods I Laboratory 1

EET 247: Computer Programming for Electronic Systems 3

Fine Arts and Aesthetic Studies/Cultural Studies (Select one) (2-3 hours)

ART 155: Printmaking and Paper Arts 3

ART 178: Introduction to the Visual Arts 3

ART 188: The Designed World 3

ART 217: Crafts I 3

ART 222: Jewelry Design I 3

ART 233: Drawing I 3

ART 244: Ceramics I 3

ART 266: Sculpture I 3

ART 277: Painting I 3

ART 288: Introduction to Art History I 3

ART 289: Introduction to Art History II 3

ART 311: Art Education 3
ART 351: Printmaking, Papermaking, Bookarts and the Letterpress 3
ART 430: Automotive: Art and Design 3
COMM 105: Performance Appreciation 3
COMM 205: Performance Studies 3
COMM 395: Theatre History (___) 3
ENGL 250: Introduction to Creative Writing 3
HHP 151: Dance Appreciation 3
MUSIC 120: Music Appreciation (____) 3
MUSIC 121: Introduction to Music Literature 2
ANTH 101: Introduction to Cultural Anthropology 3
MLL 114: Chinese Language and Culture I 3
MLL 124: French Language and Culture I 3
MLL 154: Spanish Language and Culture I 3
MLL 184: Russian Language and Culture I 3
MLL 194: Korean Language and Culture I 3
GEOG 106: World Regional Geography 3
GEOG 300: Elements of Geography 3
GEOG 304: Human Geography 3
WGS 399: Global Women's Issues 3

Health and Well Being (4-6 hours)
Psychological PSYCH 155: General Psychology 3

Physical (Select one)
FCS 203: Nutrition and Health 3
FCS 301: Nutrition 3
HHP 150: Lifetime Fitness Concepts 1
NURS 303: Introduction to Public Health 3

Human Heritage (Select one course from one of the following three categories) (3 hours)

History
HIST 101: World History to 1500 3
HIST 102: World History from 1500 3
HIST 201: American History to 1865 3
HIST 202: American History from 1865 3

Literature
ENGL 113: General Literature 3
ENGL 114: General Literature (Genre) 3
ENGL 116: General Literature (Theme) 3
ENGL 120: Literature and Film 3
ENGL 315: Mythology 3
ENGL 320: Literature and Film 3

Philosophy
PHIL 103: Introduction to Philosophy 3
PHIL 105: Ethics 3
PHIL 112: Biomedical Ethics 3
PHIL 113: Business Ethics 3

PHIL 114: Environmental Ethics 3
PHIL 207: Critical Thinking 3
PHIL 208: Logic 3
PHIL 231: World Religions 3

Major Requirements (36 hours)
EET 100: Prolog to Electronics 2
EET 144: D.C. Circuit Analysis Methods 3
EET 244: Logic Circuits 3
EET 245: Electronic Devices and Circuits 3
EET 246: A.C. Circuit Analysis Methods 3
EET 299: Electronics Core Exam 1
EET 341: Signals and Systems 3
EET 344: Microcomputer Systems 3
EET 349: Analog Integrated Circuits 3
EET 540: Electronic Design Proposal 3
EET 546: Electronic Controls 3
EET 640: Application Design Problems 2
EET 641: Electric Power 3
EET 642: Electronic Technology Seminar 1

Support Courses (28-29 hours)
MECET 121: Engineering Graphics I 3
ETECH 502: Engineering Economy 3
ETECH 694: Engineering Technology Laboratory Internship (____) 1-4
MATH 126: Pre-Calculus 4
MATH 150: Calculus I 5
MATH 155: Calculus II 5
  or MATH 154: Engineering Calculus II 4
ENGL 301: Technical/Professional Writing 3
PHYS 105: Engineering Physics II 4
  and PHYS 131: Elementary Physics Laboratory II 1
• EET 247 Computer Programming for Electronic Systems (satisfied by general education) (3 hours)
• MFGET 263 Manufacturing Methods I (satisfied by general education) (2 hours)
• MFGET 268 Manufacturing Methods I Laboratory (satisfied by general education) (1 hour)
• MATH 143 Elementary Statistics (satisfied by general education) (3 hours)
• ETECH 694 Engineering Technology Laboratory Internship must be taken for 1 hour.

One Required Emphasis (12 hours)

Electronic Embedded Systems Emphasis
EET 449: Programmable Logic Devices 3
EET 549: Advanced Microcontrollers 3
EET 647: Digital Signal Processing 3
• An additional course chosen from another Electronics Engineering Technology emphasis area (3 hours)

Telecommunications Emphasis
EET 448: Network Systems 3
EET 547: Electronic Communications Systems 3
EET 648: Data Communications Systems 3

• An additional course chosen from another Electronics Engineering Technology emphasis area (3 hours)

Aerospace Electronics Emphasis
EET 547: Electronic Communications Systems 3
EET 548: Aerospace Electronic Systems 3
EET 648: Data Communications Systems 3
• An additional course chosen from another Electronics Engineering Technology emphasis area (3 hours)

Controls Emphasis
EET 340: Introduction to Industrial Automation 3
EET 646: Control Systems 3
EET 649: Advanced Programmable Logic Controllers 3
• An additional course chosen from another Electronics Engineering Technology emphasis area (3 hours)

Custom Emphasis
• 6 hours chosen from other emphases options
• 6 hours upper division electives with advisor's consent

Approved Electives
Selected From CIS 230: Introduction to Programming 3
CIS 345: Object Oriented Programming Using Java 3
CIS 470: Network and Information Security 3
CMCET 331: Electrical Systems 3
ETECH 300: Cooperative Education (____) 3-6
MATH 212: Matrix Algebra 2
MATH 513: Discrete Structures 3
MATH 543: Probability and Statistics 3
MATH 553: Differential Equations 3
MATH 569: Numerical Analysis 3
MATH 617: Linear Algebra 3
MFGET 363: Principles of Tool Design 3
MFGET 405: Quality Control 3
MECET 420: Kinematics 2
MECET 423: Mechanics of Materials 3
MECET 424: Mechanics of Materials Laboratory 1
MECET 524: Fluid Mechanics 3
MECET 525: Fluid Mechanics Laboratory 1
MKTG 330: Principles of Marketing 3
PHYS 512: Electricity and Magnetism I 3
PHYS 516: Modern Physics I 3
PHYS 532: Electronic Circuits I 3
PHYS 743: Solid State Electronics 3
or
• Upper division courses from the following o Mathematics, Physics, others by consent of advisor

In order to meet the requirements of the Engineering Technology Accreditation Commission of ABET, http://www.abet.org., partial waivers for the Pittsburg State University general education requirements have been allowed.

MATH 126 Pre-Calculus is preferred for support courses. MATH 113 College Algebra and MATH 122 Plane Trigonometry may be substituted

Proposed Major or Minor/Emphasis/Certificate:

List below, the proposed curriculum **as you wish it to appear** in the online catalog:

CORE ELEMENTS (12 HRS)

Written Communications (6 HRS)

ENGL 101: English Composition 3

ENGL 190: Honors English Composition 3

   or ENGL 299: Introduction to Research Writing 3

Verbal Communication (3 HRS)

COMM 207: Speech Communication 3

Quantitative / Analyic Methods (3 HRS)

MATH 150: Calculus I..5

Essential Studies (23-24 HRS)

The Human Experience within a Global Context (3 HRS)

SELECT ONE OF THE FOLLOWING...3

ART*178 Introduction to Visual Arts

ART*188 The Designed World

ART*217 Crafts I

ART*222 Jewelry Design I

ART*233 Drawing I

ART*244 Ceramics I

ART*266 Sculpture I

ART*277 Painting I

ART*288 Introduction to Art History I

ART*289 Introduction to Art History II

ART*311 Art Education

COMM*105 Performance Appreciation

COMM*205 Performance Studies

COMM*395 Theatre History ( )

ENGL*250 Introduction to Creative Writing

HHP*151 Dance Appreciation

MUSIC*120 Music Appreciation ( )

MUSIC*121 Introduction to Music Literature

MUSIC*321 History of Music

MUSIC*322 History of Musict..3

Human Systems within a Global Context (12 HRS)

ETECH 502: Engineering Economy..3

MECET 121: Engineering Graphics..3

MFGET 263: Manufacturing Methods I..2

MFGET 268: Manufacturing Methods I Labratory................................1

*AND ONE OF THE FOLLOWING...3

  SOC*100   Introduction to Sociology

POLS*103 Comparative Political Institutions
HIST*101   World History to 1500
HIST*102   World History from 1500
HIST*201   American History to 1865
HIST*202   American History from 1865
ANTH*101 Introduction to Cultural Anthropology
MLL*124 French Language and Culture I
MLL*154 Spanish Language and Culture I
MFGET*405 Quality Control
PHIL*103 Introduction to Philosophy
PHIL*231 World Religions
WGS*399 Global Women's Issues

Natural World within a Global Context (4-5 HRS)
PHYS 104: Engineering Physics I...4
PHYS 104: Engineering Physics Laboratory I............................1

Wellness Strategies (4 HRS {3+1})
PSYCH 155: General Psychology...3
HHP 150: Lifetime Fitness Concepts.......................................1

Pathway Elective (3 HRS)
EET 247: Computer Programming for Electronic Systems.................3

Gorilla Gateway (2 HRS)
UGS 150: Gorilla Gateway..2

Major Requirements (36 hours)
EET 100: Prolog to Electronics 2
EET 144: D.C. Circuit Analysis Methods 3
EET 244: Logic Circuits 3
EET 245: Electronic Devices and Circuits 3
EET 246: A.C. Circuit Analysis Methods 3
EET 299: Electronics Core Exam 1
EET 341: Signals and Systems 3
EET 344: Microcomputer Systems 3
EET 349: Analog Integrated Circuits 3
EET 540: Electronic Design Proposal 3
EET 546: Electronic Controls 3
EET 640: Application Design Problems 2
EET 641: Electric Power 3
EET 642: Electronic Technology Seminar 1

Support Courses (20 hours)
MATH 126: Pre-Calculus 4
MATH 154: Engineering Calculus II 4
ENGL 301: Technical/Professional Writing 3
PHYS 105: Engineering Physics II 4
  and PHYS 131: Elementary Physics Laboratory II 1
MATH 143 Elementary Statistics...3

ETECH 694: Engineering Technology Laboratory Internship (____) 1-4
• ETECH 694 Engineering Technology Laboratory Internship must be taken for 1 hour.

One Required Emphasis (12 hours)

Electronic Embedded Systems Emphasis
EET 449: Programmable Logic Devices 3
EET 549: Advanced Microcontrollers 3
EET 647: Digital Signal Processing 3
• An additional upper division EET course (300+)

Controls Emphasis
EET 340: Introduction to Industrial Automation 3
EET 646: Control Systems 3
EET 649: Advanced Programmable Logic Controllers 3
• An additional upper division EET course (300+)

Custom Emphasis
• 6 hours chosen from other emphases options
• 6 hours upper division electives with advisor's consent

Approved Electives
Selected From
CIS 230: Introduction to Programming 3
CIS 345: Object Oriented Programming Using Java 3
CIS 470: Network and Information Security 3
CMCET 331: Electrical Systems 3
ETECH 300: Cooperative Education (____) 3-6
MATH 212: Matrix Algebra 2
MATH 513: Discrete Structures 3
MATH 543: Probability and Statistics 3
MATH 553: Differential Equations 3
MATH 569: Numerical Analysis 3
MATH 617: Linear Algebra 3
MFGET 363: Principles of Tool Design 3
MFGET 405: Quality Control 3
MECET 420: Kinematics 2
MECET 423: Mechanics of Materials 3
MECET 424: Mechanics of Materials Laboratory 1
MECET 524: Fluid Mechanics 3
MECET 525: Fluid Mechanics Laboratory 1
MKTG 330: Principles of Marketing 3
PHYS 512: Electricity and Magnetism I 3
PHYS 516: Modern Physics I 3
PHYS 532: Electronic Circuits I 3
PHYS 743: Solid State Electronics 3
or
• Upper division courses from the following o Mathematics, Physics, others by consent of advisor

In order to meet the requirements of the Engineering Technology Accreditation Commission of ABET, http://www.abet.org., partial waivers for the Pittsburg State University general education requirements have been allowed.

MATH 126 Pre-Calculus is preferred for support courses. MATH 113 College Algebra and MATH 122 Plane Trigonometry may be substituted

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>none</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:
   <u>N/A</u>

3. Will this revision have specific General Education courses required? ☒ Yes   ☐ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes   ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   <u>TBD - but no direct effect on ETECH</u>

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines?
   (minimum of 24 hours) ☐ Yes   ☐ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☐ Yes   ☐ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 3/3/19 Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-20-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum

Revision for: ☒ Major ☐ Minor ☐ Emphasis ☐ Certificate

Department: <u>ETECH</u>   College: <u>COT</u>   This program is to be offered 50% or more online as a Hybrid_____
                                           This program is to be offered fully online_____

Submission Date: <u>3/1/19</u> Revision Effective: Fall, <u>2019</u>
                                 (Year)

Contact Person: <u>Jacob Lehman</u> ☒ Faculty member ☐ Chair

Name of Existing Major or Minor/Emphasis/Certificate: <u>Manufacturing Engineering Technology</u>

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
_____

Description of Change: <u>Courses Added: FCS-203, MECET-121, MECET-226, EST-393, ECON-191, ART-188/233, and 5 hours approved technical electives. Updated UGS 100 to UGS 150 Gorilla Gateway. Removed MFGET-160, MFGET-261, ENGL-301 , BIOL-113, SOC-100, POLS-101, GEOG-106, PSYCH-155, and PHIL-105.</u>

Rationale for Change (include changes to curriculum objectives): <u>Changes to curriculm to meet the new Pittstate Pathway requirements and meet the KBOR 120 hour degree requirement</u>

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation.
<u>Only affects Manfacturing Engineering Technology majors at PSU</u>

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>Only affects Manfacturing Engineering Technology majors at PSU</u>

Existing Major or Minor/Emphasis/Certificate
Copy and paste the existing curriculum **as it currently appears** in the online catalog:
Core Requirements
MECET-220 Statics (3 hours)
or PHYS-220 Engineering Mechanics I - Statics (3 hours)
MECET-420 Kinematics (2 hours)
MECET-423 Mechanics of Materials (3 hours)
MECET-424 Mechanics of Materials Laboratory (1 hour)
MECET-524 Fluid Mechanics (3 hours)
MECET-525 Fluid Mechanics Laboratory (1 hour)
MFGET-564 Heat Treatment and Metallurgy I (3 hours)
Tool Design
MFGET-160 Manufacturing Graphics (3 hours)

MFGET-261 Computer Aided Part Design (3 hours)
MFGET-363 Principles of Tool Design (3 hours)
Manufacturing Processes
MFGET-263 Manufacturing Methods I (2 hours)
MFGET-268 Manufacturing Methods I Laboratory (1 hour)
MFGET-367 Manufacturing Methods II (4 hours)
MFGET-661 Computer Aided Manufacturing (3 hours)
MFGET-662 Computer Aided Manufacturing II (2 hours)
MFGET-690 Manufacturing Production Control and Management (3 hours)
Metalcasting
MFGET-567 Principles of Metalcasting (3 hours)
MFGET-568 Metalcasting Processing Laboratory (2 hours)
MFGET-569 Casting Design and Simulation (3 hours)
Capstone Experience
MFGET-666 Manufacturing and Design Project I (2 hours)
MFGET-669 Manufacturing and Design Project II (3 hours)
Technical Specialties
MFGET-162 Welding Processes and Procedures (3 hours)
MFGET-405 Quality Control (3 hours)
ETECH-502 Engineering Economy (3 hours)
EET-141 Introductory Electronics (3 hours)
EET-340 Introduction to Industrial Automation (3 hours)
Support Courses
PHYS-100 College Physics I (4 hours)
or PHYS-104 Engineering Physics I (4 hours)
PHYS-130 Elementary Physics Laboratory I (1 hour)
MATH-122 Plane Trigonometry (3 hours)
MATH-143 Elementary Statistics (3 hours)
MATH-150 Calculus I (5 hours)
ENGL-301 Technical/Professional Writing (3 hours)

GENERAL EDUCATION REQUIREMENTS (44-45 hrs.)
Basic Skills 12 hours
COMM-207 Speech Communication (3 hours)
ENGL-101 English Composition (3 hours)
ENGL-190 Honors English Composition (3 hours)
or ENGL-299 Introduction to Research Writing (3 hours)
MATH-143 Elementary Statistics (3 hours)
Sciences 8 hours
Natural Sciences
BIOL-113 Environmental Life Science (4 hours)
Physical Sciences
CHEM-105/106 Introductory Chemistry and Laboratory (4 hours)
Social Studies 3 hours
SOC-100 Introduction to Sociology (3 hours)
Political Studies 3 hours
POLS-101 U.S. Politics (3 hours)
Producing and Consuming 6 hours
Technology
MFGET-263 Manufacturing Methods I. (2 hours)
MFGET-268 Manufacturing Methods I Laboratory (1 hours)

Economy/Business (Select one)
ACCTG-201 Financial Accounting (3 hours)
ECON-191 Issues in Today's Economy (3 hours)
MGT-101 Introduction to Business (3 hours)
MGT-105 Introduction to Entrepreneurship (3 hours)
Fine Arts and Aesthetic Studies (Select one) (2-3 hours)
ART-155 Printmaking and Paper Arts (3 hours)
ART-178 Introduction to the Visual Arts (3 hours)
ART-188 The Designed World (3 hours)
ART-217 Crafts I (3 hours)
ART-222 Jewelry Design I (3 hours)
ART-233 Drawing I (3 hours)
ART-244 Ceramics I (3 hours)
ART-266 Sculpture I (3 hours)
ART-277 Painting I (3 hours)
ART-288 Introduction to Art History I (3 hours)
ART-289 Introduction to Art History II (3 hours)
ART-311 Art Education (3 hours)
ART-351 Printmaking, Papermaking, Bookarts and the Letterpress (3 hours)
ART-430 Automotive: Art and Design (3 hours)
COMM-105 Performance Appreciation (3 hours)
COMM-205 Performance Studies (3 hours)
COMM-395 Theatre History (3 hours)
ENGL-250 Introduction to Creative Writing (3 hours)
HHP-151 Dance Appreciation (3 hours)
MUSIC-120 Music Appreciation (3 hours)
MUSIC-121 Introduction to Music Literature (2 hours)
Cultural Studies 3 hours
GEOG-106 World Regional Geography (3 hours)
Health and Well Being 4 hours
Psychological
PSYCH-155 General Psychology (3 hours)
Physical
HHP-150 Lifetime Fitness Concepts. (1 hours)
Human Heritage 3 hours
Philosophy
PHIL-105 Ethics (3 hours)

Proposed Major or Minor/Emphasis/Certificate:
List below, the proposed curriculum as you wish it to appear in the online catalog:
Core Requirements
MECET-220 Statics (3 hours)
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MECET-420 Kinematics (2 hours)
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MECET-524 Fluid Mechanics (3 hours)
MECET-525 Fluid Mechanics Laboratory (1 hour)
MFGET-564 Heat Treatment and Metallurgy I (3 hours)

Tool Design
MECET-121 Engineering Graphics I (3 hours)
MECET-226 Computer Aided Design (3 hours)
MFGET-363 Principles of Tool Design (3 hours)

Manufacturing Processes
MFGET-263 Manufacturing Methods I (2 hours)
MFGET-268 Manufacturing Methods I Laboratory (1 hour)
MFGET-367 Manufacturing Methods II (4 hours)
MFGET-661 Computer Aided Manufacturing (3 hours)
MFGET-662 Computer Aided Manufacturing II (2 hours)
MFGET-690 Manufacturing Production Control and Management (3 hours)

Metalcasting
MFGET-567 Principles of Metalcasting (3 hours)
MFGET-568 Metalcasting Processing Laboratory (2 hours)
MFGET-569 Casting Design and Simulation (3 hours)

Capstone Experience
MFGET-666 Manufacturing and Design Project I (2 hours)
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MFGET-162 Welding Processes and Procedures (3 hours)
MFGET-405 Quality Control (3 hours)
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EET-141 Introductory Electronics (3 hours)
EET-340 Introduction to Industrial Automation (3 hours)
EST-393 Introduction to Industrial Safety (3 hours)

Support Courses
PHYS-100 College Physics I (4 hours)
or PHYS-104 Engineering Physics I (4 hours)
PHYS-130 Elementary Physics Laboratory I (1 hour)
MATH-122 Plane Trigonometry (3 hours)
MATH-143 Elementary Statistics (3 hours)
MATH-150 Calculus I (5 hours)
CHEM-105 Introductory Chemistry (3 hours)
CHEM-106 Introductory Chemistry Laboratory (1 hour)

The Pitt State Pathway requirements
Core Elements

Written Communications (6 hours)
ENGL-101 English Composition (3 hours)
ENGL 299 Introduction to Research Writing (3 hours)

Verbal Communication (3 hours)
COMM-207 Speech Communication (3 hours)

Quantitative/Analytic Methods (5 hours)
MATH-150 Calculus I (5 hours)

Essential Studies Elements

The Human Experience (Choose 3 hours)
ART-188 The Designed World (3 hours)
ART-233 Drawing I (3 hours)

Human Systems (15 hours)
ECON-191 Issues in Today's Economy (3 hours)
ETECH-502 Engineering Economy (3 hours)
MECET-121 Engineering Graphics I (3 hours)
MFGET-405 Quality Control (3 hours)
MGT-101 Introduction to Business (3 hours)

Natural World (5 hours)
PHYS-100 College Physics I (4 hours)
or PHYS-104 Engineering Physics I (4 hours)
PHYS-130 Elementary Physics Laboratory I (1 hour)

Wellness Strategies (4 hours)
FCS-203 Nutrition and Health (3 hours)
HHP-150 Lifetime Fitness Concepts (1 hour)

Gorilla Gateway (2 hours)
UGS-150 Gorilla Gateway

Approved Technical Electives from the following areas (5 hours)
AMMT-Architectural Manufacturing Management Technology Course(s)
AT-Automotive Technology Course(s)
EET-Electronics Engineering Technology Course(s)
EST-Safety Course(s)
ETECH-Engineering Technology Course(s)
GT-General Technology Course(s)
MECET-Mechanical Engineering Technology Course(s)
PET-Plastics Engineering Technology Course(s)

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>no</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:
   _____

3. Will this revision have specific General Education courses required? ☒ Yes   ☐ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes   ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   <u>none</u>

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines?
   (minimum of 24 hours) ☐ Yes   ☐ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☐ Yes   ☐ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date _3/3/19_ Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date _4.5.19_ Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date _4.10.19_ Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date _4-30-19_ Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

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Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

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Request for Revision to Curriculum

Revision for: ☒ Major ☐ Minor ☐ Emphasis ☐ Certificate

Department: ETECH **College:** COT   This program is to be offered 50% or more online as a Hybrid_____
This program is to be offered fully online_____ _

Submission Date: 3/1/19 **Revision Effective:** Fall, 2019
(Year)
Contact Person: Rebeca Book ☒ Faculty member ☐ Chair

Name of Existing Major or Minor/Emphasis/Certificate: Plastics Engineering Technology

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
N/A

Description of Change: Added UGS 150 Gorilla Gateway; Removed MATH 126 Pre-Calculus; Modified curriculum headings/classifications to be in line with PSU Pathway formatting.

Rationale for Change (include changes to curriculum objectives): The proposed curriculum reflects revisions needed to conform to the new PSU Pathway general education plan. The changes also reflect the Kansas Board of Regents mandate that bachelors degree programs do not exceed 120 credit hours.

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation.
The PSU - PET program is not affiliated in anyway with other universities.

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
The only affect on other programs will be course load in various general education courses.

Existing Major or Minor/Emphasis/Certificate
Copy and paste the existing curriculum **as it currently appears** in the online catalog:

Basic Skills (12 hours)
COMM 207: Speech Communication 3
ENGL 101: English Composition 3
ENGL 190: Honors English Composition 3
or ENGL 299: Introduction to Research Writing 3
MATH 143: Elementary Statistics 3

General Education Electives (24-27 hours)

Sciences (9-10 hours)

Natural Sciences (Select one)
BIOL 111: General Biology 3
and BIOL 112: General Biology Laboratory 2
BIOL 113: Environmental Life Science 4
BIOL 211: Principles of Biology I 4

Physical Sciences (Select one)
PHYS 100: College Physics I 4
or PHYS 104: Engineering Physics I 4
PHYS 130: Elementary Physics Laboratory I 1

Social Studies (Select one) (3 hours)
SOC 100: Introduction to Sociology 3
WGS 200: Introduction to Women's Studies 3

Health and Well Being (4-6 hours)

Psychological
PSYCH 155: General Psychology 3

Physical (Select one)
FCS 203: Nutrition and Health 3
FCS 301: Nutrition 3
HHP 150: Lifetime Fitness Concepts 1
NURS 303: Introduction to Public Health 3

Producing and Consuming (5 hours)

Technology
MFGET 263: Manufacturing Methods I 2

Economy/Business (select one)
ACCTG 201: Financial Accounting 3
MGT 101: Introduction to Business 3
MGT 105: Introduction to Entrepreneurship 3
ECON 191: Issues in Today's Economy 3

Select one course from Political Studies, Fine Arts and Aesthetic Studies, Cultural Studies or Human Heritage (3 hours)

Political Studies
POLS 101: U.S. Politics 3
POLS 103: Comparative Political Institutions 3

Fine Arts and Aesthetic Studies
ART 155: Printmaking and Paper Arts 3
ART 178: Introduction to the Visual Arts 3

ART 188: The Designed World 3
ART 217: Crafts I 3
ART 222: Jewelry Design I 3
ART 233: Drawing I 3
ART 244: Ceramics I 3
ART 266: Sculpture I 3
ART 277: Painting I 3
ART 288: Introduction to Art History I 3
ART 289: Introduction to Art History II 3
ART 311: Art Education 3
ART 351: Printmaking, Papermaking, Bookarts and the
Letterpress 3
ART 430: Automotive: Art and Design 3
COMM 105: Performance Appreciation 3
COMM 205: Performance Studies 3
COMM 395: Theatre History (   ) 3
ENGL 250: Introduction to Creative Writing 3
HHP 151: Dance Appreciation 3
MUSIC 120: Music Appreciation (   ) 3
MUSIC 121: Introduction to Music Literature 2

Cultural Studies
ANTH 101: Introduction to Cultural Anthropology 3
MLL 114: Chinese Language and Culture I 3
MLL 124: French Language and Culture I 3
MLL 154: Spanish Language and Culture I 3
MLL 184: Russian Language and Culture I 3
MLL 194: Korean Language and Culture I 3
GEOG 106: World Regional Geography 3
GEOG 300: Elements of Geography 3
GEOG 304: Human Geography 3
WGS 399: Global Women's Issues 3

Human Heritage

History
HIST 101: World History to 1500 3
HIST 102: World History from 1500 3
HIST 201: American History to 1865 3
HIST 202: American History from 1865 3

Literature
ENGL 113: General Literature 3
ENGL 114: General Literature (Genre) 3
ENGL 116: General Literature (Theme) 3
ENGL 120: Literature and Film 3
ENGL 315: Mythology 3
ENGL 320: Literature and Film 3

Philosophy
PHIL 103: Introduction to Philosophy 3

PHIL 105: Ethics 3
PHIL 112: Biomedical Ethics 3
PHIL 113: Business Ethics 3
PHIL 114: Environmental Ethics 3
PHIL 207: Critical Thinking 3
PHIL 208: Logic 3
PHIL 231: World Religions 3

Major Requirements

Technical Sciences (25 hours)
MECET 121: Engineering Graphics I 3
and MECET 226: Computer Aided Design 3
or MFGET 160: Manufacturing Graphics 3
and MFGET 261: Computer Aided Part Design 3
EET 141: Introductory Electronics 3
EET 340: Introduction to Industrial Automation 3
EST 393: Introduction to Industrial Safety 3
or EST 403: Industrial Safety 3
MFGET 405: Quality Control 3
ETECH 502: Engineering Economy 3
MECET 524: Fluid Mechanics 3
MECET 525: Fluid Mechanics Laboratory 1

Technical Specialties (36 hours)
PET 180: General Plastics Laboratory 1
PET 185: General Plastics 3
PET 272: Plastics Processing I Laboratory 1
PET 273: Plastics Processing I 3
PET 281: Plastics Testing Technology 3
PET 370: Thermoplastic Resins Laboratory 1
PET 371: Thermoplastic Resins 3
PET 374: Thermoset Resins Laboratory 1
PET 375: Thermoset Resins 3
PET 376: Plastic Processing II Laboratory 1
PET 377: Plastic Processing II 3
PET 585: Part and Mold Design I 3
PET 586: Senior Project I 1
PET 684: Part and Mold Design II 3
PET 685: Composites 3
PET 687: Senior Project II 2
MFGET 268: Manufacturing Methods I Laboratory 1

• MFGET 263 Manufacturing Methods I (satisfied by general education) (2 hours)

Support Courses (25-27 hours)
ENGL 301: Technical/Professional Writing 3
MATH 126: Pre-Calculus 4
MATH 150: Calculus I 5
CHEM 215: General Chemistry I 3
CHEM 216: General Chemistry I Laboratory 2

CHEM 320: Introductory Organic Chemistry 3
and CHEM 326: Organic Chemistry Laboratory 2
or CHEM 360: Introduction to Polymer Science and
Technology 3
CHEM 625: Polymer Synthesis and Characterizations 3
CHEM 626: Polymer Synthesis and Characterizations
Laboratory 2

Proposed Major or Minor/Emphasis/Certificate:

List below, the proposed curriculum as you wish it to appear in the online catalog:
Major Requirements (35 hours)
PET 180: General Plastics Laboratory 1
PET 185: General Plastics 3
PET 272: Plastics Processing I Laboratory 1
PET 273: Plastics Processing I 3
PET 281: Plastics Testing Technology 3
PET 370: Thermoplastic Resins Laboratory 1
PET 371: Thermoplastic Resins 3
PET 374: Thermoset Resins Laboratory 1
PET 375: Thermoset Resins 3
PET 376: Plastic Processing II Laboratory 1
PET 377: Plastic Processing II 3
PET 585: Part and Mold Design I 3
PET 586: Senior Project I 1
PET 684: Part and Mold Design II 3
PET 685: Composites 3
PET 687: Senior Project II 2

CORE ELEMENTS (12 HRS)

Written Communications (6 HRS)
ENGL 101: English Composition 3
ENGL 190: Honors English Composition 3
    or ENGL 299: Introduction to Research Writing 3

Verbal Communication (3 HRS)
COMM 207: Speech Communication 3

Quantitative / Analyic Methods (3 HRS)
MATH 150: Calculus I..5

Essential Studies (23-24 HRS)

The Human Experience within a Global Context (3 HRS)
SELECT ONE OF THE FOLLOWING...3
ART*178 Introduction to Visual Arts
ART*188 The Designed World

ART*217 Crafts I
ART*222 Jewelry Design I
ART*233 Drawing I
ART*244 Ceramics I
ART*266 Sculpture I
ART*277 Painting I
ART*288 Introduction to Art History I
ART*289 Introduction to Art History II
ART*311 Art Education
COMM*105 Performance Appreciation
COMM*205 Performance Studies
COMM*395 Theatre History ( )
ENGL*250 Introduction to Creative Writing
HHP*151 Dance Appreciation
MUSIC*120 Music Appreciation ( )
MUSIC*121 Introduction to Music Literature
MUSIC*321 History of Music
MUSIC*322 History of Music..3

Human Systems within a Global Context (12 HRS)
ETECH 502: Engineering Economy..3
MECET 121: Engineering Graphics..3
MFGET 263: Manufacturing Methods I...2
MFGET 268: Manufacturing Methods I Labratory......................1
*AND ONE OF THE FOLLOWING..3
 SOC*100 Introduction to Sociology
 POLS*103 Comparative Political Institutions
 HIST*101 World History to 1500
 HIST*102 World History from 1500
 HIST*201 American History to 1865
 HIST*202 American History from 1865
 ANTH*101 Introduction to Cultural Anthropology
 MLL*124 French Language and Culture I
 MLL*154 Spanish Language and Culture I
 PHIL*103 Introduction to Philosophy
 PHIL*231 World Religions
 WGS*399 Global Women's Issues

Natural World within a Global Context (5 HRS)
PHYS 100: College Physics I 4
or PHYS 104: Engineering Physics I 4
PHYS 130: Elementary Physics Laboratory I 1

Wellness Strategies (4 HRS)
PSYCH 155: General Psychology..3
HHP 150: Lifetime Fitness Concepts...1

Pathway Elective (3 HRS)
MGT 101: Introduction to Business 3

Gorilla Gateway (2 HRS)
UGS 150: Gorilla Gateway..2

Support Courses (42 hours)
ENGL 301: Technical/Professional Writing 3
MATH 143: Elementary Statistics 3
CHEM 215: General Chemistry I 3
CHEM 216: General Chemistry I Laboratory 2
CHEM 360: Introduction to Polymer Science andTechnology 3
CHEM 625: Polymer Synthesis and Characterizations 3
CHEM 626: Polymer Synthesis and Characterizations Laboratory 2
BIOL 113: Environmental Life Science 4
EET 141: Introductory Electronics 3
EET 340: Introduction to Industrial Automation 3
EST 393: Introduction to Industrial Safety 3
MFGET 405: Quality Control 3
MECET 226: Computer Aided Design 3
MECET 524: Fluid Mechanics 3
MECET 525: Fluid Mechanics Laboratory 1

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   None

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:

   ___

3. Will this revision have specific General Education courses required? ☒ Yes ☐ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   None

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines?
   (minimum of 24 hours) ☐ Yes ☐ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☐ Yes ☐ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 3/3/19 Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee (
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

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Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum

Revision for: ☒ Major ☐ Minor ☐ Emphasis ☐ Certificate

Department: <u>AMMT</u> **College:** <u>COT</u> This program is to be offered 50% or more online as a Hybrid<u>NO</u>
This program is to be offered fully online<u>NO</u>

Submission Date: <u>2/28/19</u> **Revision Effective:** Fall, <u>2019</u>

(Year)

Contact Person: <u>Charlie Phillips</u> ☒ Faculty member ☐ Chair

Name of Existing Major or Minor/Emphasis/Certificate: <u>Architectural Manufacturing Management and Technology</u>

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
‾‾‾‾‾

Description of Change: <u>Remove ENGL 301 and MFGET 405. Add MGT 330 and MGT430 for support courses. Change</u>
<u>AMMT 399 from a 2 hour to a 1 hour.</u>

Rationale for Change (include changes to curriculum objectives): <u>Bring degree to 120 hours to complete and help align</u>
<u>with Pathways</u>

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation.
<u>Program is not related to any other Regent University</u>

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>Degree is not related or would not affect any othe program</u>

Existing Major or Minor/Emphasis/Certificate

Copy and paste the existing curriculum **as it currently appears** in the online catalog:
Bachelor of Science in Technology Degree with a Major in Architectural Manufacturing Management and Technology
The Bachelor of Science in Technology in Architectural Manufacturing Management and Technology majors may pursue
one or more of the two specializations: Wood Product Manufacturing and Wood Teacher Training. Program prepares
students with technical and management courses for success in a variety of wood industry-related professional
positions.
General Education*
Basic Skills (12 hours)
ENGL 101: English Composition 3
ENGL 190: Honors English Composition 3
   or ENGL 299: Introduction to Research Writing 3
COMM 207: Speech Communication 3

MATH 110: College Algebra with Review 5
    or MATH 113: College Algebra 3
    or MATH 133: Quantitative Reasoning 3

General Education Electives (34-39 hours)

Sciences (8-9 Hours) Natural Sciences (Select one)
BIOL 111: General Biology 3
    and BIOL 112: General Biology Laboratory 2
BIOL 113: Environmental Life Science 4
BIOL 211: Principles of Biology I 4

Physical Sciences (Select one)
CHEM 105: Introductory Chemistry 3
    and CHEM 106: Introductory Chemistry Laboratory 1
CHEM 107: Chemistry for the Life Sciences 3
    and CHEM 108: Chemistry for the Life Sciences Laboratory 1
PHYS 160: Physical Geology 3
    and PHYS 165: Physical Geology Laboratory 1
PHYS 171: Physical Science 3
    and PHYS 172: Physical Science Laboratory 1

Social Studies (Select one) (3 hours)
SOC 100: Introduction to Sociology 3
WGS 200: Introduction to Women's Studies 3

Political Studies (Select one) (3 hours)
POLS 101: U.S. Politics 3
POLS 103: Comparative Political Institutions 3

Producing and Consuming (5-6 hours)
GT 190: Introduction to Technological Systems 2
    or GT 350: Technology and Civilization 3
ACCTG 201: Financial Accounting 3
    or CIS 130: Computer Information Systems 3
    or MGT 101: Introduction to Business 3
    or MGT 105: Introduction to Entrepreneurship 3

Fine Arts and Aesthetic Studies (Select one) (2-3 hours)
ART 155: Printmaking and Paper Arts 3
ART 178: Introduction to the Visual Arts 3
ART 188: The Designed World 3
ART 217: Crafts I 3
ART 222: Jewelry Design I 3
ART 233: Drawing I 3
ART 244: Ceramics I 3
ART 266: Sculpture I 3
ART 277: Painting I 3
ART 288: Introduction to Art History I 3
ART 289: Introduction to Art History II 3
ART 311: Art Education 3

ART 351: Printmaking, Papermaking, Bookarts and the Letterpress 3
ART 430: Automotive: Art and Design 3
COMM 105: Performance Appreciation 3
COMM 205: Performance Studies 3
COMM 395: Theatre History (___) 3
ENGL 250: Introduction to Creative Writing 3
HHP 151: Dance Appreciation 3
MUSIC 120: Music Appreciation (____) 3
MUSIC 121: Introduction to Music Literature 2
Music 120 Music Appreciation (Classical, Jazz, or World Music)

Cultural Studies (Select one) (3 hours)
ANTH 101: Introduction to Cultural Anthropology 3
MLL 114: Chinese Language and Culture I 3
MLL 124: French Language and Culture I 3
MLL 154: Spanish Language and Culture I 3
MLL 184: Russian Language and Culture I 3
MLL 194: Korean Language and Culture I 3
GEOG 106: World Regional Geography 3
GEOG 300: Elements of Geography 3
GEOG 304: Human Geography 3
WGS 399: Global Women's Issues 3

Health and Well Being (4-6 hours)

Psychological
PSYCH 155: General Psychology 3

Physical (Select one)
FCS 203: Nutrition and Health 3
FCS 301: Nutrition 3
HHP 150: Lifetime Fitness Concepts 1
NURS 303: Introduction to Public Health 3

Human Heritage (Select one from two of the following three categories) (6 hours)

History
HIST 101: World History to 1500 3
HIST 102: World History from 1500 3
HIST 201: American History to 1865 3
HIST 202: American History from 1865 3

Literature
ENGL 113: General Literature 3
ENGL 114: General Literature (Genre) 3
ENGL 116: General Literature (Theme) 3
ENGL 120: Literature and Film 3
ENGL 315: Mythology 3
ENGL 320: Literature and Film 3

Philosophy

PHIL 103: Introduction to Philosophy 3
PHIL 105: Ethics 3
PHIL 112: Biomedical Ethics 3
PHIL 113: Business Ethics 3
PHIL 114: Environmental Ethics 3
PHIL 207: Critical Thinking 3
PHIL 208: Logic 3
PHIL 231: World Religions 3
Total General Education Requirements (46-53 hours)
*For specific courses see general education degree requirements, General Education Requirements for All Baccalaureate Degrees.

Support Courses (12 hours)
MATH 122: Plane Trigonometry 3
   or MATH 143: Elementary Statistics 3
ECON 200: Principles of Microeconomics 3
ENGL 301: Technical/Professional Writing 3
MKTG 330: Principles of Marketing 3

Technical Courses Wood Technology Area
AMMT 182: Wood Science 3
AMMT 185: Fundamentals of Architectural Manufacturing 3
AMMT 226: CAD for Architectural Product Development 3
AMMT 282: Machine Processes in Architectural Manufacturing...........3
AMMT 286: Primary Wood Processing 3
AMMT 301: Finishing 3
AMMT 333: Tool Technology 3
AMMT 383: Computer-Aided Manufacturing (CAM) in Architectural Manufacturing Technology 3
AMMT 399: Architectural Manufacturing Technology Professional Development 1
AMMT 412: Overlay and Laminate Materials 3
AMMT 426: Architectural Millwork and Casework 3
AMMT 511: Production Techniques in Architectural Product Manufacturing 3
AMMT 523: Computer Applications in Cabinetmaking 3
AMMT 525: Cabinets and Fixtures 3
AMMT 602: Manufacturing Facility Maintenance and Management 3
AMMT 699: Architectural Manufacturing Senior Seminar 1

General Technology Support Courses

Choose between Wood Product Manufacturing or Teacher Training Education Emphasis.

Wood Product Manufacturing Emphasis (select two) (6 hours)
EST 393: Introduction to Industrial Safety 3
EST 396: Introduction to Construction Safety 3
GT 330: Engineering Materials and Processes 3
MFGET 405: Quality Control 3
TM 606: Industrial Supervision 3
AMMT 400: Architectural Manufacturing Internship (___) 3-6

Wood Teacher Training Emphasis:

Technical Education (8-9 hours)
TTED 694: Foundations of Career and Technical Education 3
   or PSYCH 263: Developmental Psychology 3
TTED 396: Curriculum Usage in Technical Education 2
   or EDUC 261: Explorations in Education 3
TTED 698: Leadership and Professionalism in Career and Technical Education 3
   or PSYCH 357: Educational Psychology 3

Courses recommended for those seeking 7-12 Technology & Engineering certification:
- PSYCH 263 - Developmental Psychology
- EDUC 261 - Explorations in Education
- PSYCH 357 - Educational Psychology

At Least One of the Following Emphasis Areas Must Be Completed

Emphasis Area One: Wood Product Manufacturing (18 hours)
AMMT 300: Architectural Manufacturing Internship (___) 3-6
AMMT 326: CAD for Architectural Product Development II 3
AMMT 454: CNC Applications for Architectural Manufacturing Industry 3
AMMT 585: Architectural Product Production Estimating 3
AMMT 691: Architectural Product Design and Development 3
AMMT 692: Architectural Manufacturing Capstone Project 3

Emphasis Area Two: Wood Teacher Training (Select 16-18 hours)
Technical Education***
TTED 391: Student Assessment Development in Career and Technical Education 3
   or GT 130: Applications in STEM 3
TTED 395: Task Analysis for Technical Teachers 1
   or TTED 608: Components of Work-based Learning in Career and Technical Education 3
TTED 479: Techniques for Teaching Career and Technical Education 3
   or TE 479: Teaching Techniques for Technology and Engineering Education 3
TTED 608: Components of Work-based Learning in Career and Technical Education 3
TTED 695: Using Technology as an Instructional Tool 3
   or GT 320: Communication Systems in Technology 3
TTED 697: Identification and Instruction of Students with Special Needs 3
   or SPED 510: Overview of Special Education 3
TTED 780: Classroom Management in Career and Technical Education 3
   or TE 496: Organization and Management for Technology and Engineering Education 3

Courses recommended for those seeking 7-12 Technology & Engineering certification:
- GT 130 – Applications in STEM
- TE 479 – Teaching Techniques for Technology and Engineering Education
- EDUC 520 – Methods and Materials for Academic Literacy
- GT 320 – Communication Systems in Technology
- SPED 510 Overview of Special Education
- TE 496 – Organization and Management for Technology and Engineering Education

Total minimum hours required for degree (124 hours).

TTED 395 is waived if student took GT 320 instead of TTED 695.

***Those seeking teacher certification, additional coursework is required. See Technical Teacher Education or Technology and Engineering Education advisor for more information.

Proposed Major or Minor/Emphasis/Certificate:
List below, the proposed curriculum **as you wish it to appear** in the online catalog:
(GENERAL EDUCATION PER NEW REQUIREMENTS)

Support Courses (12 hours)
MGT 101: Introduction To Business...3
MATH 122: Plane Trigonometry 3
   or MATH 143: Elementary Statistics 3
ECON 200: Principles of Microeconomics 3
MGT 330 Management and organizational Behavior...........................3
   or MGT 430 Legal and Social Environment of Business...................3
   orMKTG 330: Principles of Marketing 3

Technical Courses Wood Technology Area (44 hours)
AMMT 182: Wood Science 3
AMMT 185: Fundamentals of Architectural Manufacturing 3
AMMT 226: CAD for Architectural Product Development 3
AMMT 282: Machine Processes in Architectural Manufacturing...........3
AMMT 286: Primary Wood Processing 3
AMMT 301: Finishing 3
AMMT 333: Tool Technology 3
AMMT 383: Computer-Aided Manufacturing (CAM) in Architectural Manufacturing Technology 3
AMMT 399: Architectural Manufacturing Technology Professional Development 1
AMMT 412: Overlay and Laminate Materials 3
AMMT 426: Architectural Millwork and Casework 3
AMMT 511: Production Techniques in Architectural Product Manufacturing 3
AMMT 523: Computer Applications in Cabinetmaking 3
AMMT 525: Cabinets and Fixtures 3
AMMT 602: Manufacturing Facility Maintenance and Management 3
AMMT 699: Architectural Manufacturing Senior Seminar 1

General Technology Support Courses

Choose between Wood Product Manufacturing or Teacher Training Education Emphasis.

Wood Product Manufacturing Emphasis (select two) (6 hours)
EST 393: Introduction to Industrial Safety 3
EST 396: Introduction to Construction Safety 3
GT 330: Engineering Materials and Processes 3
TM 606: Industrial Supervision 3
AMMT 400: Architectural Manufacturing Internship (___) 3-6

Wood Teacher Training Emphasis:

Technical Education (8-9 hours)
TTED 694: Foundations of Career and Technical Education 3
   or PSYCH 263: Developmental Psychology 3

TTED 396: Curriculum Usage in Technical Education 2
    or EDUC 261: Explorations in Education 3
TTED 698: Leadership and Professionalism in Career and Technical Education 3
    or PSYCH 357: Educational Psychology 3

Courses recommended for those seeking 7-12 Technology & Engineering certification:
- PSYCH 263 - Developmental Psychology
- EDUC 261 - Explorations in Education
- PSYCH 357 - Educational Psychology

At Least One of the Following Emphasis Areas Must Be Completed

Emphasis Area One: Wood Product Manufacturing (18 hours)
AMMT 300: Architectural Manufacturing Internship (___) 3-6
AMMT 326: CAD for Architectural Product Development II 3
AMMT 454: CNC Applications for Architectural Manufacturing Industry 3
AMMT 585: Architectural Product Production Estimating 3
AMMT 691: Architectural Product Design and Development 3
AMMT 692: Architectural Manufacturing Capstone Project 3

Emphasis Area Two: Wood Teacher Training (Select 19 hours)
Technical Education***
TTED 391: Student Assessment Development in Career and Technical Education 3
    or GT 130: Applications in STEM 3
TTED 395: Task Analysis for Technical Teachers 1
TTED 479: Techniques for Teaching Career and Technical Education 3
    or TE 479: Teaching Techniques for Technology and Engineering Education 3
TTED 608: Components of Work-based Learning in Career and Technical Education 3
    or EDUC 520: Methods and Materials for Academic Literacy 3
TTED 695: Using Technology as an Instructional Tool 3
    or GT 320: Communication Systems in Technology 3
TTED 697: Identification and Instruction of Students with Special Needs 3
    or SPED 510: Overview of Special Education 3
TTED 780: Classroom Management in Career and Technical Education 3
    or TE 496: Organization and Management for Technology and Engineering Education 3

Courses recommended for those seeking 7-12 Technology & Engineering certification:
- GT 130 – Applications in STEM
- TE 479 – Teaching Techniques for Technology and Engineering Education
- EDUC 520 – Methods and Materials for Academic Literacy
- GT 320 – Communication Systems in Technology
- SPED 510 Overview of Special Education
- TE 496 – Organization and Management for Technology and Engineering Education

Total minimum hours required for degree (120 hours).

TTED 395 is waived if student took GT 320 instead of TTED 695.

***Those seeking teacher certification, additional coursework is required. See Technical Teacher Education or Technology and Engineering Education advisor for more information.

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>N/A</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:
   <u>N/A</u>

3. Will this revision have specific General Education courses required? ☐ Yes   ☒ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes   ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   <u>N/A</u>
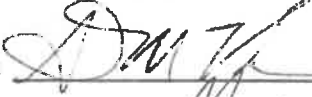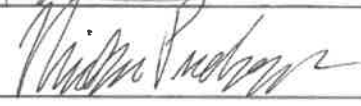
Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines?
   (minimum of 24 hours) ☐ Yes   ☒ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☒ Yes   ☐ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☐ Approved: Department Chairperson
Date 4/8/19 Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date 4.10.19 Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 1-24-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required): Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum- Major or Minor/Emphasis/Certificate- Revised Summer 2013

Request for Revision to Curriculum

Revision for: ☒ Major   ☐ Minor   ☐ Emphasis   ☐ Certificate

Department: <u>AMMT</u>   College: <u>COT</u>   This program is to be offered 50% or more online as a Hybrid<u>NO</u>
This program is to be offered fully online<u>NO</u>

Submission Date: <u>2/28/19</u>   Revision Effective: Fall, <u>2019</u>
(Year)
Contact Person: <u>Charlie Phillips</u> ☒ Faculty member ☐ Chair

Name of Existing Major or Minor/Emphasis/Certificate: <u>Bachelor of Applied Science in Technology – emphasis Architectural Manufacturing Management and Technology</u>

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
_____

Description of Change: <u>Change of General Education requirements</u>

Rationale for Change (include changes to curriculum objectives): <u>Bring degree to 120 hours to complete and align with Pathways</u>

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes   ☒ No

Whether a "yes" or "no" response, please provide an explanation.
<u>Program is not related to any other Regent University</u>

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes   ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>Degree is not related or would not affect any othe program</u>

Existing Major or Minor/Emphasis/Certificate
Copy and paste the existing curriculum **as it currently appears** in the online catalog:
General Education (Minimum 36 hours)

Basic Skills (9 hours)

ENGL 101: English Composition 3
ENGL 299: Introduction to Research Writing 3
   or ENGL 301: Technical/Professional Writing 3
COMM 207: Speech Communication 3
ENGL 301
   or substitute
COMM 207 or substitute

Behavioral, Social, History & Political Studies (6 hours)
SOC 100: Introduction to Sociology 3
  or POLS 101: U.S. Politics 3
  or HIST 201: American History to 1865 3
  or GT 350: Technology and Civilization 3
  or TM 350: Societal Influence of Technology 3
PSYCH 155: General Psychology 3
  or PSYCH 575: Industrial and Organizational Psychology 3
TM 350 or Social Science and/or Political Studies Elective

Mathematics (6 hours)
MATH 113: College Algebra 3
  or MATH 114: Elements of Technical Analysis 3
MATH 143: Elementary Statistics 3
MATH 114 or mathematics substitute
MATH 143 or math substitute (MATH 143 required for MFGET 405 Quality Control)

Sciences (Minimum 6 hours) (8 hours)
BIOL 113: Environmental Life Science 4
PHYS 171: Physical Science 3
PHYS 172: Physical Science Laboratory 1

BIOL 113 or natural science substitute

PHYS 171 or physical science substitute

Producing and Consuming (3 hours)
ACCTG 201: Financial Accounting 3
ACCTG 201 or approved business substitute

Fine Arts (Choose one) (3 hours)
ART 178: Introduction to the Visual Arts 3
COMM 105: Performance Appreciation 3
COMM 205: Performance Studies 3
HHP 151: Dance Appreciation 3
MUSIC 120: Music Appreciation (____) 3
  • Approved Humanities (e.g., Ethics) (3 hours)

Cultural Studies (choose one) (3 hours)
GEOG 300: Elements of Geography 3
GEOG 304: Human Geography 3
  • Approved elective from cultural studies (3 hours)

Business Support Courses

Business Courses (9 hours)
MGT 330: Management and Organizational Behavior 3
MGT 430: Legal and Social Environment of Business 3
MGT 540: Human Resources Management 3
  or MKTG 330: Principles of Marketing 3
MKTG 330 or approved 300 and above business-related elective (e.g. TQM)

Architectural Manufacturing Management and Technology Emphasis Courses

Technology Management (Organization and Leadership)#
TM 606: Industrial Supervision 3
    or MFGET 405: Quality Control 3
EST 393: Introduction to Industrial Safety 3
AMMT 426: Architectural Millwork and Casework 3
AMMT 602: Manufacturing Facility Maintenance and Management 3

Technical Specialization, Support and Electives

Architectural Manufacturing Technology Emphasis Core Courses (9 hours)
AMMT 300: Architectural Manufacturing Internship (___) 3-6
AMMT 399: Architectural Manufacturing Technology Professional Development 2
AMMT 585: Architectural Product Production Estimating 3
AMMT 699: Architectural Manufacturing Senior Seminar 1

Technical Specialization (36+ hours)
(These are community college transfer credits; technical component of AAS degree)

Architectural Manufacturing Technology Electives (Select 15 hours from below)#
AMMT 182: Wood Science 3
AMMT 383: Computer-Aided Manufacturing (CAM) in Architectural Manufacturing Technology 3
AMMT 400: Architectural Manufacturing Internship (___) 3-6
AMMT 454: CNC Applications for Architectural Manufacturing Industry 3
AMMT 511: Production Techniques in Architectural Product Manufacturing 3
AMMT 523: Computer Applications in Cabinetmaking 3
AMMT 525: Cabinets and Fixtures 3
AMMT 691: Architectural Product Design and Development 3
AMMT 692: Architectural Manufacturing Capstone Project 3
    • Technical elective approved by advisor (3 hours)

#Training (Technical-Related Education and Education) courses, may be substituted for candidates interested in more of a "training emphasis".

Proposed Major or Minor/Emphasis/Certificate:
List below, the proposed curriculum **as you wish it to appear** in the online catalog:
General Education (Minimum 33-35 hours)

Core Elements (12 hours)
    Written Communication 6
    Verbal Communication 3
    Quantitative/Analytic Method..............3

Essential Studies Elements (28-29 hours)
Human Experience within a Global Context 3-6
Human Systems within a Global Context...9-12
Elective Pathway Course...3
Natural World within a Global Context...4-5

Wellness Strategies 4
Gorilla Gateway 2

Total Pitt State Pathways 40

Business Support Courses

Business Courses (9 hours)
MGT 330: Management and Organizational Behavior 3
MGT 430: Legal and Social Environment of Business 3
MGT 540: Human Resources Management 3
    or MKTG 330: Principles of Marketing 3
MKTG 330 or approved 300 and above business-related elective (e.g. TQM)

Architectural Manufacturing Management and Technology Emphasis Courses

Technology Management (Organization and Leadership) (12 hours)
TM 606: Industrial Supervision 3
    or MFGET 405: Quality Control 3
EST 393: Introduction to Industrial Safety 3
AMMT 426: Architectural Millwork and Casework 3
AMMT 602: Manufacturing Facility Maintenance and Management 3

Technical Specialization, Support and Electives

Architectural Manufacturing Technology Emphasis Core Courses (9 hours)
AMMT 300: Architectural Manufacturing Internship (___) 3-6
AMMT 399: Architectural Manufacturing Technology Professional Development 1
AMMT 585: Architectural Product Production Estimating 3
AMMT 699: Architectural Manufacturing Senior Seminar 1

Technical Specialization (36+ hours)
(These are community college transfer credits; technical component of AAS degree)

Architectural Manufacturing Technology Electives (Select 15 hours from below)#
AMMT 182: Wood Science 3
AMMT 383: Computer-Aided Manufacturing (CAM) in Architectural Manufacturing Technology 3
AMMT 400: Architectural Manufacturing Internship (___) 3-6
AMMT 454: CNC Applications for Architectural Manufacturing Industry 3
AMMT 511: Production Techniques in Architectural Product Manufacturing 3
AMMT 523: Computer Applications in Cabinetmaking 3
AMMT 525: Cabinets and Fixtures 3
AMMT 691: Architectural Product Design and Development 3
AMMT 692: Architectural Manufacturing Capstone Project 3
    • Technical elective approved by advisor (3 hours)

#Training (Technical-Related Education and Education) courses, may be substituted for candidates interested in more of a "training emphasis".

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>N/A</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:
   <u>N/A</u>

3. Will this revision have specific General Education courses required? ☐ Yes ☒ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   <u>N/A</u>

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? (minimum of 24 hours) ☐ Yes ☒ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☒ Yes ☐ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☐ Approved: Department Chairperson
Date 4/9/19 Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.10.19 Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 1-24-19 Signature, Undergraduate Curriculum Committee Chair

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

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Request for Revision to Curriculum

Revision for: ☒ Major ☐ Minor ☐ Emphasis ☐ Certificate

Department: AMMT **College:** COT   This program is to be offered 50% or more online as a Hybrid**NO**
This program is to be offered fully online**NO**

Submission Date: 2/28/19   **Revision Effective:** Fall, 2019
                                        (Year)
Contact Person: Charlie Phillips ☒ Faculty member ☐ Chair

Name of Existing Major or Minor/Emphasis/Certificate: Associate of Applied Science in Technology Architectural Manufacturing Technology

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
_____

Description of Change: Remove AMMT 691 & AMMT 192. Adjust the General Eudcation classes to meet new requirements

Rationale for Change (include changes to curriculum objectives): Bring degree to 60 hours to complete and meet new General Education requirements

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation.
Program is not related to any other Regent University

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
Program is not related or would not affect any othe program

Existing Major or Minor/Emphasis/Certificate
Copy and paste the existing curriculum **as it currently appears** in the online catalog:
General Education (18-19 hours)
Basic Skills (12 hours)
NGL 101: English Composition 3
COMM 207: Speech Communication 3
MATH 113: College Algebra 3
CIS 130: Computer Information Systems 3
MATH 113 or approved substitute
CIS 130 or demonstrated computer proficiency

Core Courses (3 hours)

AMMT 511: Production Techniques in Architectural Product Manufacturing 3
AMMT 525: Cabinets and Fixtures 3

Emphasis Area: Wood Product Manufacturing (9 hours)
AMMT 326: CAD for Architectural Product Development II 3
AMMT 454: CNC Applications for Architectural Manufacturing Industry 3
AMMT 585: Architectural Product Production Estimating 3

Additional Questions .

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   N/A

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:
   N/A

3. Will this revision have specific General Education courses required? ☐ Yes   ☒ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes   ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   N/A

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines?
   (minimum of 24 hours) ☐ Yes   ☒ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☒ Yes   ☐ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☐ Approved: Department Chairperson
Date _4/1/19_ Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date 4.5.19_ Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-29-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: __AMMT__   College: __COT__   Submission Date: __2-28-19__

Contact Person: __Charlie Phillips__ ☒ Faculty member ☐ Chair

Revision Effective: __FL19__ (Semester/Year)

Offered: (check all that apply)
☒ Fall
☐ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes   ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
__Yes__

Purpose/Justification for Revision to Course: __To meet new Pathway Requirements__

Existing Course:
Course Number: __AMMT-399-01__

Title of Course: __Architectural Manufactoring Technology Professional Development__

Credit Hours: __2__

Prerequisite: __Permission of the Instructor__

Course Description (**as it appears in the current catalog**): __Preparation of students for employment in architectural manufactoring technology internships and full-time positions. Emphasis is placed on academic planning, certification oppurtunites and procedures, resume content, job search skills, job interview, business etiquette, time managenment, and goal setting.__

Proposed Course:
Course Number: __AMMT-399-01__

Title of Course: __Architectural Manufactoring Technology Professional Development__

Credit Hours: __1__

Prerequisite: __Permission of the Instructor__

Course Description (**as it will appear in the next catalog**): __No Change__

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

   _____
   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☐ Yes ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>None</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☐ Approved: Department Chairperson
Date 4/5/19 Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-20-19 Signature, Undergraduate Curriculum Committee Chair

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

Please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Please Note: This is a 2-3 month process, at least, and is designed to eliminate questions and concerns at the beginning of the process. Any questions/concerns not addressed prior to the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process.

Request for Revision to Curriculum

Revision for: ☒ Major   ☐ Minor   ☐ Emphasis   ☐ Certificate

Department: TWL   **College:** COT   This program is to be offered 50% or more online as a Hybrid_____
                                             This program is to be offered fully online Yes

Submission Date: 2/28/19   **Revision Effective:** Fall, 2019

                                (Year)

Contact Person: Krissy Lewis   ☒ Faculty member ☐ Chair

Name of Existing Major or Minor/Emphasis/Certificate: Workforce Development

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
_____

Description of Change: 1. Remove the minimum transfer hour requirement of 64 hours for acceptance into the Bachelor of Science in Workforce Development program. 2. Remove the 25 hour general education requirement and replace it with the Pitt State Pathway requirements. 3. Remove MFGET 405: Quality Control for the Supervision & Leadership Emphasis requirements and replace it with TM 679: Professional Presentations. 4. Remove JUST 223: Basic Interviewing and Counseling Skills and replace it with PHIL 105: Ethics. 5. Remove MATH 143: Elementary Statistics and replace it with TM 606: Industrial Supervision. 6. Remove Remove TM 606: Industrial Supervision from the Supervision and Leadership Emphasis requirements and replace it with HRD 596: Introduction to Human Resource Development. 7.Change the heading of "General Education Related Courses" to "Foundation Courses."

Rationale for Change (include changes to curriculum objectives): 1. Removing the minimum credit hours for acceptance into the Workforce Development program will comply with the 120 hour requirement and allow a pathway for students to be accepted into the program as long as they meet the requiements for acceptance by Pittsburg State University. 2. To align with the Pitt State Pathway requirements, the 25 hour General Education course requirements will need to be removed. Language will be added that all Pitt State Pathway requirements will be met to complete the degree. 3. MFGET is not offered on a regular basis to meet students needs whereas TM 679: Professional Presentations is offered online every semester and will provide the student with the skills necessary for employability. 4. JUST 223: Basic Interviewing and Counseling Skills is not offered on a regular basis and the instructor identified to teach this course when this program was created is no longer teaching it. PHIL 105: Ethics has been used as a substitute, is offered online as requested for the Workforce Development students, and provides essential skills needed by the students. 5. TM 606: Industrial Supervision aligns with the business related skills students need and has been used as a substitute for MATH 143: Elementary Statistics. 6. Adding TM 606: Industrial Supervision to the business related course requirements will deem it necessary for it to be removed from the Supervision & Leadership emphasis courses. TM 606: Industrial Supervision will be replaced by HRD 596: Introduction to Human Resource Development which will provide the student with the competencies and skills necessary for employment. 7. The current heading of "General Education Related Courses" will need to be changed to "Foundation Courses" to align with the Pitt State Pathways. The courses cannot be considered "Pitt State Pathway related courses" because they are not all approved Pathway courses.

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes   ☒ No

Whether a "yes" or "no" response, please provide an explanation.
The program changes are for Workforce Development majors only.

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at

Pittsburg State University?

☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.

The program changes are for Workforce Development majors only.

Existing Major or Minor/Emphasis/Certificate

Copy and paste the existing curriculum **as it currently appears** in the online catalog:

The Bachelor of Science in Workforce Development is an online bachelor's degree completion program designed for busy working adults seeking flexible and convenient way to finish their degree. Students who have completed an associate's degree or a minimum of 64 hours of undergraduate coursework can complete this 60-hour degree program to earn their Bachelor of Science degree. Students who have not completed an associate's degree must have completed 64 hours of undergraduate work, including the Pittsburg State University general education requirements for the Bachelor of Science degree.

All of the 60-hours of coursework are available online and are sequenced over two and a half years with three courses (nine hours) each semester during the fall and spring semesters and two courses (six hours) each summer. Students who do not follow the schedule sequence will require additional time to complete the degree since many courses are not offered each semester. The 60-hours of coursework cannot be substituted by similar coursework. Students enrolled in this program are considered part-time students but can still receive financial aid if eligible at the part-time rate.

The Bachelor of Science in Workforce Development program has two emphasis areas from which to choose:

• Supervision & Leadership: For those seeking mid-level management positions in all industry areas

• Human Resource: For those interested in the human resource development field

To be eligible for the program, students must have completed 64-hours or more in an associate degree or in undergraduate coursework, and must include the 25- hour general education requirement listed below.

General Education Requirements

If the following General Education requirements have not been fulfilled as part of the student's Associate Degree program or undergraduate coursework, then prior to completion of the Bachelor of Science degree, the student must have completed each of the following General Education requirements, any of which may have been part of the Associate Degree or undergraduate coursework. Students not possessing an associate degree must complete a minimum of 64 credit hours and the current general education requirements associated with the traditional Bachelor of Science degree at Pittsburg State University. These courses are in addition to the 60 hours offered by Pittsburg State University.

ENGL 101: English Composition 3
ENGL 299: Introduction to Research Writing 3
COMM 207: Speech Communication 3
MATH 113: College Algebra 3
SOC 100: Introduction to Sociology 3
or PSYCH 155: General Psychology 3
POLS 101: U.S. Politics 3
Physical Science course with laboratory (life science can also be used)...4 hours
Humanities - Music, Art, Theater, Dance (3 hours)
MATH 113 or approved math substitute course
Core Requirements (to be taken from Pittsburg State University) (27 hours)
General Education-Related Courses (18 hours)
TM 350: Societal Influence of Technology 3
or GT 350: Technology and Civilization 3
HRD 555: Diversity in Technology Management 3
PSYCH 575: Industrial and Organizational Psychology 3
SOC 360: Community Sociology 3
JUST 223: Basic Interviewing and Counseling Skills 3

COMM 629: Theories of Human Communication 3
Business Related Courses (9 hours)
MATH 143: Elementary Statistics 3
MKTG 330: Principles of Marketing 3
MGT 430: Legal and Social Environment of Business 3
Workforce Development Courses (12 hours)
EST 393: Introduction to Industrial Safety 3
or EST 512: Risk Assessment 3
TM 390: Trade and Job Analysis 3
TM 399: Technology Management Professional Development 2
TM 520: Leadership in the Workplace 3
TM 699: Senior Assessment in Technology Management 1
Emphasis I. Supervision & Leadership Courses (21 hours)
MFGET 405: Quality Control 3
MGT 330: Management and Organizational Behavior 3
EST 630: Safety Management 3
TM 500: Industrial Organization and Technology Management 3
TM 501: Work Measurement and Efficiency Methods 3
TM 503: Facility Maintenance and Management 3
TM 606: Industrial Supervision 3
OR
Emphasis II. Human Resource Courses (21 hours)
HRD 575: Instructional Media in Human Resource Development........ 3
HRD 596: Introduction to Human Resource Development 3
HRD 653: Workforce Preparation 3
TM 679: Presentation Skills 3
HRD 597: Organizational Staffing 3
HRD 598: Talent Management 3
HRD 630: Employee and Labor Relations 3
Total hours required for Bachelor of Science with a major in Workforce Development degree (124 hours)

Proposed Major or Minor/Emphasis/Certificate:
List below, the proposed curriculum **as you wish it to appear** in the online catalog:
The Bachelor of Science in Workforce Development is an online bachelor's degree completion program designed for busy working adults seeking flexible and convenient way to finish their degree. There are two options for students to enter this degree:
1. Students who have completed an associate's can complete this 60-hour degree program to earn their Bachelor of Science degree. All students must complete the Pitt State Pathway requirements prior to graduation.
2. Students who have not completed an associate's degree must complete the 60-hour degree program, including the Pitt State Pathway requirements for the Bachelor of Science degree and elective credits to meet the 120 hour requirement for a Bachelors Degree.
All of the 60-hours of program coursework are available online and are sequenced over two and a half years with three courses (nine hours) each semester during the fall and spring semesters and two courses (six hours) each summer. Students who do not follow the schedule sequence will require additional time to complete the degree since many courses are not offered each semester. The 60-hours of coursework cannot be substituted by similar coursework. Students enrolled in this program are considered part-time students but can still receive financial aid if eligible at the part-time rate.
The Bachelor of Science in Workforce Development program has two emphasis areas from which to choose:
• Supervision & Leadership: For those seeking mid-level management positions in all industry areas
• Human Resource: For those interested in the human resource development field

Pitt State Pathway Requirements

If the Pitt State Pathway requirements have not been fulfilled as part of the student's Associate Degree program or undergraduate coursework, then prior to completion of the Bachelor of Science degree, the student must complete the Pitt State Pathway requirements, any of which may have been part of the Associate Degree or undergraduate coursework. Students not possessing an associate degree must complete a minimum of 60 credit hours including the Pitt State Pathway requirements associated with the traditional Bachelor of Science degree at Pittsburg State University. These courses are in addition to the 60 hours offered by Pittsburg State University.

Core Requirements (to be taken from Pittsburg State University) (27 hours)

Foundation Courses (18 hours)

TM 350: Societal Influence of Technology 3
or GT 350: Technology and Civilization 3
HRD 555: Diversity in Technology Management 3
PSYCH 575: Industrial and Organizational Psychology 3
SOC 360: Community Sociology 3
PHIL 105: Ethics 3
COMM 629: Theories of Human Communication 3

Business Related Courses (9 hours)

TM 606: Industrial Supervision 3
MKTG 330: Principles of Marketing 3
MGT 430: Legal and Social Environment of Business 3

Workforce Development Courses (12 hours)

EST 393: Introduction to Industrial Safety 3
or EST 512: Risk Assessment 3
TM 390: Trade and Job Analysis 3
TM 399: Technology Management Professional Development 2
TM 520: Leadership in the Workplace 3
TM 699: Senior Assessment in Technology Management 1

Emphasis I. Supervision & Leadership Courses (21 hours)

TM 679: Presentation Skills 3
MGT 330: Management and Organizational Behavior 3
EST 630: Safety Management 3
TM 500: Industrial Organization and Technology Management 3
TM 501: Work Measurement and Efficiency Methods 3
TM 503: Facility Maintenance and Management 3
HRD 596: Introduction to Human Resource Development.....................3

OR

Emphasis II. Human Resource Courses (21 hours)

HRD 575: Instructional Media in Human Resource Development........ 3
HRD 596: Introduction to Human Resource Development 3
HRD 653: Workforce Preparation 3
TM 679: Presentation Skills 3
HRD 597: Organizational Staffing 3
HRD 598: Talent Management 3
HRD 630: Employee and Labor Relations 3

Total hours required for Bachelor of Science with a major in Workforce Development degree (120 hours)

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>No additional resources will be required.</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes   ☒ No   *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:
   ⎯⎯⎯

3. Will this revision have specific General Education courses required? ☐ Yes   ☒ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☐ Yes   ☒ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   <u>There are no additional costs required for this modification.</u>

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? (minimum of 24 hours) ☐ Yes   ☐ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☐ Yes   ☐ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☐ Approved: Department Chairperson
Date 4/5/19 Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☑ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-29-19 Signature, Undergraduate Curriculum Committee Chair

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

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TECHNOLOGY & ENGINEERING EDUCATION CURRICULAR CHANGES OVERVIEW

PROGRAM CURRICULUM REVISION (Pgs 1-10)

- Reducing hours from 124 hours to 120 hour requirement
    - Remove GT130 Applications In STEM (Integrated content into other T&EE Core Courses)
    - Remove GT130 Contemporary Developments in T&EE (Replaced by GT190)
    - Remove TE421 Professional Development 2 (Revise content and add to TE420 PD and increase to TE420 to 3CH)
    - Reduced Professional Semester from 17hrs to 15hrs (which includes reducing TE579 Supervised Student Teaching and Follow-up For Teachers to 1CH), see pages 59-62.
    - Add GT190 Introduction to Technology to cover Bio, Medical and Ag Technological Content
- Adjusted to meet and utilize Pitt Pathways requirements
- Added Ten (10) emphasis areas (shown below) containing nine credit hours each, which students take from other program areas providing more depth in a particular technical field. This supports the current CTE pathway model at KSDE.
    - Automotive
    - Manufacturing
    - Graphic Design
    - Architectural Manufacturing (woodworking)
    - Construction
    - Metals
    - Digital Media
    - Electronics
    - Plastics
    - Web Design

INDIVIDUAL COURSE CHANGES – Revised courses to meet state and national standards as well as change skill development in certain courses, change verbiage or drop prerequisite

- **GT191 Experiences in Technology (Pgs 7-10)** – Change in description. Currently a prerequisite for other courses, GT191 will no longer be a prerequisite for other courses.
- **GT300 Design and Problem Solving (Pgs 11-14)** – Remove Prerequisite
- **GT320 Communication Systems (Pgs15-18)** – Remove prerequisite, course description changed for current relevancy
- Remove prerequisite, course description removed "mediated or online" From the following courses:
    - **GT330 Engineering Materials and Processes (Pgs 19-22)**
    - **GT340 Power, Energy and Transportation Systems (Pgs 23-26)**
    - **GT370 Construction Systems (Pgs 31-34)**
- **GT360 Computer Aided Drafting for Automated Manufacturing (Pgs 27-30)** – Course name change. Remove Prerequisite, course description includes output applications such as 3D printing, laser, and CNC.
- **GT380 Manufacturing Enterprise (Pgs 31-34)** – Remove GT191 as prerequisite and add GT360 CAD as a prerequisite as it is necessary for the project produced, remove "on-line" from the description
- **GT390 Fundamentals of Robotics and Coding (Pgs 39-42)** – Course name change. Remove GT191 as prerequisite. Course description includes removing CNC applications, and adding robotics and coding content
- **TE420 Professional Development (Pgs 43-46)** – Removed prerequisites. Reduced from two courses to one, increased from 2CH to 3CH.
- **TE479 Techniques for Teaching T&EE (Pgs 47/50)** – Remove GT191 as prerequisite. Added GT350 Technology & Civilization Prerequisite, Admission to Teacher Education and Junior/Senior status.
- **TE496 Organization/Management for T&EE (Pgs 51-54)** – Change prerequisite to Junior or Senior year
- **TE551 Integrated Technology for Educators (Pgs 55-58)** – Eliminate prerequisite
- **TE579 Supervised Student Teaching and Follow-up For Teachers (Pgs 59-62)** – Reduce to 1 CH per guidance of Teacher Education

Request for Revision to Curriculum

Revision for: ☒ Major   ☐ Minor   ☐ Emphasis   ☐ Certificate

Department: <u>TWL</u>   College: <u>COT</u>   This program is to be offered 50% or more online as a Hybrid_____
This program is to be offered fully online_____

Submission Date: <u>2/28/19</u>   Revision Effective: Fall, <u>19</u>
(Year)

Contact Person: <u>Byron McKay</u>   ☒ Faculty member ☐ Chair

Name of Existing Major or Minor/Emphasis/Certificate: <u>Technology & Engineering Education</u>

If proposing a name change to major or minor/emphasis/certificate, indicate Proposed Name Change:
_____

Description of Change: <u>Remove: GT130 ,GT310 ,TE421. Add: GT190. Create ten Technical Specialization Sequences. Other changes reflect proposed course name changes and/or credit hours requirements.</u>

Rationale for Change (include changes to curriculum objectives): <u>1. Program must meet 120 hour requirement. 2. Changes support and utilize new Pitt Pathways. 3. Changes reflect state and national standards for Technology & Engineering Education. 4. Changes reflect content and skill needs in both education and industry.</u>

Is this revision related to, and/or may affect, any degree program or minor/emphasis/certificate at any other Regent university?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation.
<u>This coursework is for Technology & Engineering Education majors only</u>

Is this revision related to, and/or may affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>This coursework is for Technology & Engineering Education majors only</u>

Existing Major or Minor/Emphasis/Certificate
Copy and paste the existing curriculum **as it currently appears** in the online catalog:

EDUCATION AND PSYCHOLOGY REQUIREMENTS*   (32 hours)
PSYCH 263: Developmental Psychology 3
EDUC 261: Explorations in Education 3
PSYCH 357: Educational Psychology 3
SPED 510: Overview of Special Education 3
EDUC 520: Methods and Materials for Academic Literacy 3
TE 579: Supervised Student Teaching and Follow-Up of
Teachers 2
• Professional Semester (including TE 579)   (17 hours)

TECHNOLOGY AND ENGINEERING EDUCATION CORE   (32 hours)

    GT 130: Applications in STEM 3

    GT 191: Foundations of Technology and Engineering 2

    GT 300: Engineering Design and Problem Solving 3

    GT 310: Contextual Topics in Technology and Engineering 3

    GT 320: Communication Systems in Technology 3

    GT 330: Engineering Materials and Processes 3

    GT 340: Power/Energy/Transportation Systems 3

    GT 360: Computer Aided Drafting 3

    GT 370: Construction Systems Technology 3

    GT 380: Manufacturing Enterprise 3

    GT 390: Automated Systems 3

TECHNOLOGY AND ENGINEERING EDUCATION PROFESSIONAL CORE (11 hours)

    TE 420: Professional Development 1 2

    TE 421: Professional Development 2 2

    TE 479: Teaching Techniques for Technology and Engineering

    Education 3

    TE 496: Organization and Management for Technology and

    Engineering Education 3

    TE 551: Integrated Technology for Educators 3

    TE 679: Senior Assessment in Technology and Engineering

    Education 1

Total hours required for degree   (124 hours)*

Proposed Major or Minor/Emphasis/Certificate:

List below, the proposed curriculum **as you wish it to appear** in the online catalog:

EDUCATION AND PSYCHOLOGY REQUIREMENTS   (30 Hours)

PSYCH263	Developmental Psychology	3
EDUC261	Explorations in Education	3
PSYCH357	Educational Psychology	3
SPED510	Overview of Special Education	3
EDUC520	Methods and Materials for Academic Literacy	3

PROFESSIONIAL SEMESTER

TE579	Supervised Student Teaching	1
EDUC458	Methods and Curriculum	3
EDUC464	Foundations of Measurement and Evaluation	2
EDUC475	Supervised Clinical Experience	9

TECHNOLOGY AND ENGINEERING EDUCATION CONTENT CORE (28 Hours)

GT190	Introduction to Technological Systems	2
GT191	Foundations of Technology and Engineering	2
GT300	Engineering Design and Problem Solving	3
GT320	Communication Systems in Technology	3
GT330	Engineering Materials and Processes	3
GT340	Power/Energy/Transportation Systems	3
GT360	Computer Aided Drafting for Automated	
Manufacturing		3

GT370	Construction Systems Technology	3
GT380	Manufacturing Enterprise	3
GT390	Fundamentals of Robotics and Coding	3

TECHNOLOGY AND ENGINEERING EDUCATION PROFESSIONAL CORE (13 Hours)

TE420	Professional Development	3
TE479	Teaching Techniques for Technology and Engineering Education	3
TE496	Organization and Management for Technology and Engineering Education	3
TE551	Integrated Tech for Educators	3
TE679	Senior Assessment in Technology and Engineering Education	1

TECHNICAL SPECIALIZATION SEQUENCE (9 Hours)

Automotive

AT210	Brake Systems	3
AT211	Steering Alignment & Suspension	3
AT213	Engine Systems	3

Construction

CMCET133	Construction Graphics	3
CMCET235	Light Frame & Finish	3
CMCET330 or	Mechanical Systems (HVAC)	3
CMCET331 or	Electrical Systems	3
CMCET334 or	Methods/Construction of Sitework and Steel	3
CMCET335	Methods/Construction of Concrete & Masonry	3

Electronics Engineering

EET144	D.C Circuit Analysis Methods	3
EET244	Logic Circuits	3
EET247	Computer Programming for Electronics	3

Manufacturing Engineering

MFGET263/268	Manufacturing Methods	3
MFGET367	Manufacturing Methods 2	4
MFGET363	Principles of Tool Design	3

Metals Engineering

MFGET162	Welding Processes and Procedures	3
MFGET567	Principles of Metalcasting	3
MFGET568	Metalcasting Processes Lab	2

Plastics Engineering

PET180/185	General Plastics with Lab	4
PET272/273	Plastics Processing with Lab	4
PET281	Plastics Testing Lab	3

Graphic Design

GIT141	Vector Graphics	3
GIT142	Raster Graphics	3
GIT240	Page Layout	3

Digital Media

GIT231	Audio Visual Software	3
GIT310	Photography	3
GIT432	Digital Media Design	3

Web Design

GIT221	Web Graphic Sofware	3
GIT322	Website Design	3
GIT323 or	Web & Motion Graphics	3
GIT421	Interactive Media Design	3
AMMT		
AMMT185	Fundamentals of AMMT	3
AMMT282	Machine Processes	3
AMMT226 or	Computer Aided Design for Architectural	
Production		3
AMMT383 or	CAM for Arch Man	3
AMMT412	Overlay and Lam Mat	3

Total hours required for degree   (120 hours)

Additional Questions

1. Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.):
   <u>None</u>

2. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?
   ☐ Yes ☒ No *If "yes," please realize that it will need to gain approval of the President's Council.*

   Please give the rationale for additional student fees:

   _____

3. Will this revision have specific General Education courses required? ☐ Yes ☒ No
   Please realize that it will need to gain approval of the General Education Committee.

4. Will this revision affect any education majors? ☒ Yes ☐ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

5. What additional costs will be required for this modification (e.g. staffing, equipment, etc.)?
   <u>None</u>

Additional Questions for certificate only:

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? (minimum of 24 hours) ☐ Yes ☐ No

2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? ☐ Yes ☐ No

   If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 2/18/19 Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

☐ Final approved packet forwarded to Provost's office.
Date _____ Signature, Recording Secretary, Faculty Senate _____

Notification to COCAO/Kansas Board of Regents (if required):   Date: _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND *FINAL* COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.

Request for Revision to Curriculum- Major or Minor/Emphasis/Certificate- Revised Summer 2013   6

Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: TWL   College: COT   Submission Date: 2/28/19

Contact Person: Byron McKay   ☒ Faculty member ☐ Chair

Revision Effective: Fall 2019 (Semester/Year)

Offered: (check all that apply)
☒ Fall
☐ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only for Technology & Engineering majors

Purpose/Justification for Revision to Course: Previously, one focus of this course was lab safety. This element has been removed, so it no longer needs to be a prerequisite for current core courses. Lab safety will be taught in the technical courses. Activities related to 3D printing and Unmanned Aerial Systems operations have been added in place of lab safety. These activities reflect current trends and interests in education and industry.

Existing Course:
Course Number: GT191

Title of Course: Foundations of Technology and Engineering

Credit Hours: 2

Prerequisite: none

Course Description (**as it appears in the current catalog**): Intensive hands-on laboratory course provides students with fundamental skills in materials fabrication, design and graphics, desk top publishing, scanning, digital imaging, video editing, using electrical and electronic devices, etc. Course is prerequisite for: GT 300 Engineering Design and Problem Solving, GT 320 Communication Systems in Technology, GT 340 Power/Energy/Transportation Systems, GT 330 Engineering Materials and Processes and GT 380 Manufacturing Enterprise.

Proposed Course:
Course Number: GT191

Title of Course: Foundations of Technology and Engineering

Credit Hours: 2

Prerequisite: none

Request for Revision to Course- Revised Summer 2013   1

Course Description (**as it will appear in the next catalog**): Intensive hands-on laboratory course provides students with fundamental skills used in the Technology and Engineering lab in materials fabrication, design and graphics, desk top publishing, 3D printing, digital imaging, video editing, using electrical and electronic devices, Unmanned Aerial Systems operations.

ᖾ

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

   _____

   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>none</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 2/18/19 Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 1-20-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

Please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Please Note: This is a 2-3 month process, at least, and is designed to eliminate questions and concerns at the beginning of the process. Any questions/concerns not addressed prior to the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process.

Request for Revision to Course
(Undergraduate Course Numbers through Course Number 699)

Department: __TWL__   College: __COT__   Submission Date: __2/28/19__

Contact Person: __Byron McKay__   ☒ Faculty member ☐ Chair

Revision Effective: __Fall 2019__ (Semester/Year)

Offered: (check all that apply)
☐ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only for Technology & Engineering majors

Purpose/Justification for Revision to Course: The prerequisite for this course is no longer necessary.

Existing Course:
Course Number: __GT300__

Title of Course: __Engineering Design and Problem Solving__

Credit Hours: __3__

Prerequisite: __GT191__

Course Description (**as it appears in the current catalog**): Course designed to develop cognitive information emphasizing the generation and communication of engineering and technological information. Topics include strategies to encourage invention and innovation; methods for documentation (e.g. portfolios, logs); sketching tools and techniques; engineering modeling/prototyping and graphic presentation; and related math, science, and technical analysis. Includes a series of integrated hands-on laboratory activities and projects. Prerequisite: GT 191 Foundations of Technology and Engineering and/or permission of instructor.

Proposed Course:
Course Number: __GT300__

Title of Course: __Engineering Design and Problem Solving__

Credit Hours: __3__

Prerequisite: __none__

Request for Revision to Course- Revised Summer 2013   1

Course Description (**as it will appear in the next catalog**): Course designed to develop cognitive information emphasizing the generation and communication of engineering and technological information. Topics include strategies to encourage invention and innovation; methods for documentation (e.g. portfolios, logs); sketching tools and techniques; engineering modeling/prototyping and graphic presentation; and related math, science, and technical analysis. Includes a series of integrated hands-on laboratory activities and projects.

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Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

    If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:
    _____

    Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?

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PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 2/18/19 Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☑ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-29-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: TWL   College: COT   Submission Date: 2/28/19

Contact Person: Byron McKay   ☒ Faculty member ☐ Chair

Revision Effective: Fall 2019 (Semester/Year)

Offered: (check all that apply)
☒ Fall
☐ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only for Technology & Engineering majors

Purpose/Justification for Revision to Course: The prerequisite for this course is no longer necessary. Course description better reflects course content which is based on current trends and interests in education and industry.

Existing Course:
Course Number: GT320

Title of Course: Communications Systems in Technology

Credit Hours: 3

Prerequisite: GT191

Course Description (as it appears in the current catalog): An overview of communication technologies delivered through a series of on-line experiences, students are exposed to the cognitive knowledge of computers, graphic production, telecommunications, technical design, fiber optics, and audio/video systems. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated hands-on laboratory activities and projects. Prerequisite: GT 191 Foundations of Technology and Engineering and/or permission of instructor.

Proposed Course:
Course Number: GT320

Title of Course: Communications Systems in Technology

Credit Hours: 3

Prerequisite: none

Course Description (**as it will appear in the next catalog**): An overview of communication technologies designed to expose students to the cognitive knowledge of computers, graphic production, telecommunications, technical design, animation, virtual reality, and audio/video systems. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated hands-on laboratory activities and projects.

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Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

    If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:
    _____

    Please realize that it will need to gain approval of the General Education Committee.

2. WIll this course be required of any education majors? ☒ Yes ☐ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
    <u>none</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ **Approved: Department Chairperson**
Date 2/18/19 Signature, Department Chairperson

☐ **Approved: College Curriculum Committee**
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ **Approved: Dean of College**
Date 4.10.19 Signature, Dean

☐ **Approved: General Education Committee (if applicable)**
Date _____ Signature, General Education Committee Chair _____

☐ **Approved: Council for Teacher Education (if applicable)**
Date _____ Signature, Council for Teacher Education Chair _____

☑ **Approved: Faculty Senate University Undergraduate Curriculum Committee**
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair

☐ **Approved: Faculty Senate**
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

Please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Please Note: This is a 2-3 month process, at least, and is designed to eliminate questions and concerns at the beginning of the process. Any questions/concerns not addressed prior to the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process.

Request for Revision to Course
(Undergraduate Course Numbers through Course Number 699)

Department: TWL   College: COT   Submission Date: 2/28/19

Contact Person: Byron McKay   ☒ Faculty member ☐ Chair

Revision Effective: Fall 2019 (Semester/Year)

Offered: (check all that apply)
☐ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only for Technology & Engineering majors

Purpose/Justification for Revision to Course: The prerequisite for this course is no longer necessary. Course description should not have "mediated" or "on-line," this course is on campus.

Existing Course:
Course Number: GT330

Title of Course: Engineering Materials and Processes

Credit Hours: 3

Prerequisite: GT191

Course Description (as it appears in the current catalog): An overview of engineering materials and material processing technologies in mediated format. Through a series of on-line experiences, students are exposed to the cognitive knowledge of engineering materials and processes related to the categories of wood, metal, plastic, earth and composite engineering materials. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated hands-on laboratory activities and projects. Prerequisite: GT 191 Foundations of Technology and Engineering and/or permission of instructor

Proposed Course:
Course Number: GT320

Title of Course: Engineering Materials and Processes

Credit Hours: 3

Prerequisite: none

Course Description (as it will appear in the next catalog): An overview of engineering materials and material processing technologies designed to expose students to the cognitive knowledge of engineering materials and processes related to the categories of wood, metal, plastic, earth and composite engineering materials. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated hands-on laboratory activities and projects.

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Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>none</u>

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PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ **Approved:** Department Chairperson
Date 2/18/19 Signature, Department Chairperson _____

☐ **Approved:** College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ **Approved:** Dean of College
Date 4.10.19 Signature, Dean _____

☐ **Approved:** General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ **Approved:** Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ **Approved:** Faculty Senate University Undergraduate Curriculum Committee
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ **Approved:** Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

Please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Please Note: This is a 2-3 month process, at least, and is designed to eliminate questions and concerns at the beginning of the process. Any questions/concerns not addressed prior to the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process.

Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: <u>TWL</u>   College: <u>COT</u>   Submission Date: <u>2/28/19</u>

Contact Person: <u>Byron McKay</u>   ☒ Faculty member ☐ Chair

Revision Effective: <u>Fall 2019</u> (Semester/Year)

Offered: (check all that apply)
☐ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at
Pittsburg State University?
☐ Yes ☒ No

*Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies
of e-mails, memos, etc.) that have occurred.*
<u>This course is only for Technology & Engineering majors</u>

Purpose/Justification for Revision to Course: <u>The prerequisite for this course is no longer necessary. Course description
should not have "on-line," this course is on campus.</u>

Existing Course:
Course Number: <u>GT340</u>

Title of Course: <u>Power/Energy/Transportation Systems</u>

Credit Hours: <u>3</u>

Prerequisite: <u>GT191</u>

Course Description (**as it appears in the current catalog**): <u>An overview of industrial power, energy and transportation
technologies delivered through a series of classroom and on-line experiences. Students are exposed to the cognitive
knowledge of power, energy and transportation systems and the development, use and impacts of energy resources.
Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated hands-
on laboratory activities and projects. Prerequisite: GT 191 Foundations of Technology and Engineering and/or
permission of instructor</u>

Proposed Course:
Course Number: <u>GT340</u>

Title of Course: <u>Power/Energy/Transportation Systems</u>

Credit Hours: <u>3</u>

Prerequisite: <u>none</u>

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Course Description **(as it will appear in the next catalog)**: An overview of industrial power, energy and transportation technologies designed to expose students to the cognitive knowledge of power, energy and transportation systems and the development, use and impacts of energy resources. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated hands-on laboratory activities and projects.

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

    If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

    _____

    Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
    <u>none</u>

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PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 2/18/19 Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☑ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-29-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course
(Undergraduate Course Numbers through Course Number 699)

Department: __TWL__   College: __COT__   Submission Date: __2/28/19__

Contact Person: __Byron McKay__   ☒ Faculty member ☐ Chair

Revision Effective: __Fall 2019__ (Semester/Year)

Offered: (check all that apply)
☐ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only for Technology & Engineering majors

Purpose/Justification for Revision to Course: The prerequisite for this course is no longer necessary. The course description has been updated to include the application of CAD design techniques, not just the use of the technology itself.

Existing Course:
Course Number: __GT360__

Title of Course: __Computer Aided Drafting__

Credit Hours: __3__

Prerequisite: __GT191__

Course Description (__as it appears in the current catalog__): An overview of computer aided drafting delivered through a series of classroom and on-line experiences. Students are exposed to the cognitive knowledge of CAD technologies and its relationship to electrical, mechanical, construction and other technological areas. Includes laboratory based experiences designed to reinforce cognitive information through a series of integ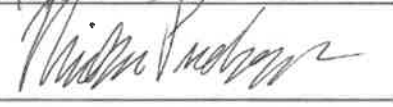rated hands-on laboratory activities and projects. Prerequisite: GT 191 Foundations of Technology and Engineering and/or permission of instructor.

Proposed Course:
Course Number: __GT360__

Title of Course: __Computer Aided Drafting for Automated Manufacturing__

Credit Hours: __3__

Prerequisite: __none__

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Course Description (as it will appear in the next catalog): An overview of computer aided drafting and automated manufacturing technologies designed to expose students to various CAD 2D and 3D software design techniques and principles and to demonstrate how to apply this knowledge by utilizing automated manufacturing in the form of CNC, 3D printing, and laser equipment. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated hands-on laboratory activities and projects.

28

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

   _____

   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>none</u>

29

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 2/18/19   Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19   Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19   Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____   Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____   Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-29-19   Signature, Undergraduate Curriculum Committee Chair

☐ Approved: Faculty Senate
Date _____   Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

Please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Please Note: This is a 2-3 month process, at least, and is designed to eliminate questions and concerns at the beginning of the process. Any questions/concerns not addressed prior to the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process.

30

Request for Revision to Course
(Undergraduate Course Numbers through Course Number 699)

Department: <u>TWL</u>   College: <u>COT</u>   Submission Date: <u>2/28/19</u>

Contact Person: <u>Byron McKay</u>   ☒ Faculty member ☐ Chair

Revision Effective: <u>Fall 2019</u> (Semester/Year)

Offered: (check all that apply)
☒ Fall
☐ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>This course is only for Technology & Engineering majors</u>

Purpose/Justification for Revision to Course: <u>The prerequisite for this course is no longer necessary. Course description should not have "on-line," this course is on campus.</u>

Existing Course:
Course Number: <u>GT370</u>

Title of Course: <u>Construction Systems Technology</u>

Credit Hours: <u>3</u>

Prerequisite: <u>GT191</u>

Course Description **(as it appears in the current catalog)**: <u>An overview of the construction industry delivered through a series of classroom and on-line experiences. Students are exposed to the cognitive knowledge of construction technologies to include residential, commercial, and civil. Also discussed will be the impacts of the construction industry. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated handson laboratory activities and projects. Prerequisite: GT 191 Foundations of Technology and Engineering and/or permission of instructor.</u>

Proposed Course:
Course Number: <u>GT370</u>

Title of Course: <u>Construction Systems Technology</u>

Credit Hours: <u>3</u>

Prerequisite: <u>none</u>

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Course Description **(as it will appear in the next catalog)**: An overview of the construction industry designed to expose students to the cognitive knowledge of construction technologies to include residential, commercial, and civil. Also discussed will be the impacts of the construction industry. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated handson laboratory activities and projects.

32

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:
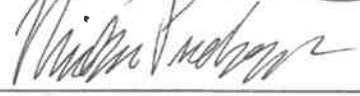   _____
   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>none</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ **Approved: Department Chairperson**
Date 2/18/19 Signature, Department Chairperson

☐ **Approved: College Curriculum Committee**
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ **Approved: Dean of College**
Date 4.10.19 Signature, Dean

☐ **Approved: General Education Committee (if applicable)**
Date _____ Signature, General Education Committee Chair

☐ **Approved: Council for Teacher Education (if applicable)**
Date _____ Signature, Council for Teacher Education Chair

☒ **Approved: Faculty Senate University Undergraduate Curriculum Committee**
Date 1-29-19 Signature, Undergraduate Curriculum Committee Chair

☐ **Approved: Faculty Senate**
Date _____ Signature, Recording Secretary, Faculty Senate

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: TWL   College: COT   Submission Date: 2/28/19

Contact Person: Byron McKay   ☒ Faculty member ☐ Chair

Revision Effective: Fall 2019 (Semester/Year)

Offered: (check all that apply)
☒ Fall
☐ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only for Technology & Engineering majors

Purpose/Justification for Revision to Course: Remove GT191 and add GT360 as a prerequisite. GT191 is no longer an appropriate prerequisite for this course. The changes to GT360 contain fundamental knowledge for application in this course. Course description should not say "on-line," this course is on campus.

Existing Course:
Course Number: GT380

Title of Course: Manufacturing Enterprise

Credit Hours: 3

Prerequisite: GT191

Course Description (**as it appears in the current catalog**): An overview of the manufacturing industry delivered through a series of classroom and on-line experiences. Students take active roles in a simulated production process, including formation of a company, product design, production planning, finance, and marketing and sales. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated hands-on laboratory activities and projects. Prerequisite: GT 191 Foundations of Technology and Engineering or permission of instructor.

Proposed Course:
Course Number: GT380

Title of Course: Manufacturing Enterprise

Credit Hours: 3

Prerequisite: GT360

Course Description (**as it will appear in the next catalog**): An overview of the manufacturing industry as students take active roles in a simulated production process, including formation of a company, product design, production planning, finance, and marketing and sales. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated hands-on laboratory activities and projects. Prerequisite: GT 360 Computer Aided Drafting and Automated Manufacturing or permission of instructor.

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·Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

    If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

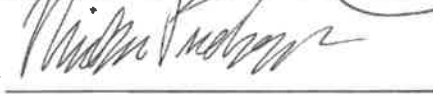   _____
    Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
    <u>none</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 2/18/19 Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

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Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: <u>TWL</u>   College: <u>COT</u>   Submission Date: <u>2/28/19</u>

Contact Person: <u>Byron McKay</u>   ☒ Faculty member ☐ Chair

Revision Effective: <u>Fall 2019</u> (Semester/Year)

Offered: (check all that apply)
☒ Fall
☐ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
<u>This course is only for Technology & Engineering majors</u>

Purpose/Justification for Revision to Course: <u>GT191 is no longer an appropriate prerequisite for this course. Course description has been changed to reflect new content. CNC content has been removed from this course to allow for more robust robotics and coding content and hands on experiences. The need for robotic and coding knowledge, both in industry and education, is on the rise.</u>

Existing Course:
Course Number: <u>GT390</u>

Title of Course: <u>Automated Systems</u>

Credit Hours: <u>3</u>

Prerequisite: <u>GT191</u>

Course Description (**as it appears in the current catalog**): <u>An overview of the automated systems delivered through a series of classroom and on-line experiences. Students are exposed to the cognitive knowledge of automated systems to include rapid prototyping, robotics, CNC and programmable logic control. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated hands-on laboratory activities and projects. Prerequisites: GT 191 Foundations of Technology and Engineering, GT 330 Engineering Materials and Processes and GT 360 Computer Aided Drafting and/or permission of instructor</u>

Proposed Course:
Course Number: <u>GT390</u>

Title of Course: <u>Fundamentals of Robotics and Coding</u>

Credit Hours: <u>3</u>

Prerequisite: <u>none</u> ·

Course Description **(as it will appear in the next catalog)**: An overview of robotics and coding designed to expose students to various robotics systems currently used in classrooms. Students will learn how to build and program these systems. Students will also experience the basics of coding using a variety of platforms. Includes laboratory based experiences designed to reinforce cognitive information through a series of integrated hands-on laboratory activities and projects.

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Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

    If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

    _____

    Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
    <u>none</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 2/18/19 Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☑ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-20-19 Signature, Undergraduate Curriculum Committee Chair

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course
(Undergraduate Course Numbers through Course Number 699)

Department: TWL   College: COT   Submission Date: 2/28/19

Contact Person: Byron McKay   ☒ Faculty member ☐ Chair

Revision Effective: Fall 2019 (Semester/Year)

Offered: (check all that apply)
☒ Fall
☐ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only for Technology and Engineering Education majors.

Purpose/Justification for Revision to Course: Previously, Technology and Engineering Education majors were required to have two professional development courses. To help meet the 120 hour program requirement, the content in these 2 two-hour courses has been combined into one course and the second PD course requirement removed. With the addition of new content, 3 credit hours is appropriate for the course. The need for multiple content prerequisites is unnecessary and difficult for transfer students and will be changed to Junior or Senior status.

Existing Course:
Course Number: TE420

Title of Course: Professional Development 1

Credit Hours: 2

Prerequisite: GT300, GT310, GT320, GT330, GT340, GT360

Course Description (**as it appears in the current catalog**): An overview of professional organizations associated with Technology Education. Activities include presenting at a regional technology conference, participating in a regional Technology Student Association conference as a judge, participating in a regional Technology Education Collegiate Association or equivalent event. Prerequisites: GT 300 Engineering Design and Problem Solving, GT 310 Contextual Topics in Technology and Engineering, GT 320 Communication Systems Technology, GT 330 Engineering Materials and Processes, GT 340 Power/Energy/Transportation Systems and GT 360 Computer Aided Drafting and/or permission of instructor.

Proposed Course:
Course Number: TE420

Title of Course: Professional Development

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Credit Hours: 3

Prerequisite: Junior or Senior status

Course Description (**as it will appear in the next catalog**): An overview of professional organizations and activities associated with Technology & Engineering Education. Activities include 1) Presenting at a regional or national technology conference, 2) Participating in a regional Technology Student Association conference as a judge, 3) Participating in a regional or national Technology & Engineering Education Collegiate Association (TEECA) or equivalent event, 4) Writing a resume, 5) Preparing and presenting recruitment materials at local high schools. Students will also gain knowledge about Career and Technical Education and Career and Technical Student Organizations. Prerequisites: Junior or Senior status

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Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

    If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

    _____

    Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
    <u>none</u>

45

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 2/18/19 Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-29-11 Signature, Undergraduate Curriculum Committee Chair

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

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Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: TWL   College: COT   Submission Date: 2/28/19

Contact Person: Byron McKay   ☒ Faculty member ☐ Chair

Revision Effective: Fall 2019 (Semester/Year)

Offered: (check all that apply)
☐ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only for Technology and Engineering Education majors.

Purpose/Justification for Revision to Course: Remove GT191, add GT350, Admission to College of Education and Junior or Senior status as prerequisites. GT191 is no longer an appropriate prerequisite. The content of GT350, how technology affects society, leads into the development of curriculum for the classroom which this course is concentrated on. This course is intended for students as they close out their core content classes and are nearing their professional semester. The new prerequisites more accurately express this.

Existing Course:
Course Number: TE479

Title of Course: Teaching Techniques for Technology and Engineering Education

Credit Hours: 3

Prerequisite: GT191

Course Description (**as it appears in the current catalog**): Techniques, methods and course content used in teaching technology education in middle, secondary and post-secondary schools. Development of curriculum materials via computer and traditional methods, including a course of study and lesson plans. To be taken last spring semester prior to professional semester. For undergraduates only. Prerequisite: GT 191 Foundations of Technology and Engineering and/or permission of instructor.

Proposed Course:
Course Number: TE479

Title of Course: Teaching Techniques for Technology and Engineering Education

Credit Hours: 3

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Prerequisite: GT350, Admission to College of Education, Junior or Senior status

Course Description **(as it will appear in the next catalog):** Techniques, methods and course content used in teaching technology education in middle, secondary and post-secondary schools. Development of curriculum materials, including a course of study and lesson plans. Prerequisite: GT350, Admission to College of Education, Junior or Senior status.

48

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

   _____
   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>none</u>

· 49

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ **Approved: Department Chairperson**
Date 2/18/19 Signature, Department Chairperson _____

☐ **Approved: College Curriculum Committee**
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ **Approved: Dean of College**
Date 4.10.19 Signature, Dean _____

☐ **Approved: General Education Committee (if applicable)**
Date _____ Signature, General Education Committee Chair _____

☐ **Approved: Council for Teacher Education (if applicable)**
Date _____ Signature, Council for Teacher Education Chair _____

☒ **Approved: Faculty Senate University Undergraduate Curriculum Committee**
Date 4-29-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ **Approved: Faculty Senate**
Date _____ Signature, Recording Secretary, Faculty Senate _____

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: TWL   College: COT   Submission Date: 2/28/19

Contact Person: Byron McKay   ☒ Faculty member ☐ Chair

Revision Effective: Fall 2019 (Semester/Year)

Offered: (check all that apply)
☒ Fall
☐ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only for Technology and Engineering Education majors.

Purpose/Justification for Revision to Course: This course is only offered once per year. To give students more opportunities to take this course, Junior or Senior status is a more appropriate prerequisite.

Existing Course:
Course Number: TE496

Title of Course: Organization and Management for Technology and Engineering Education

Credit Hours: 3

Prerequisite: To be taken the semester or year prior to professional semester

Course Description (**as it appears in the current catalog**): Instruction and laboratory experiences in organization and management of technology and engineering education laboratories, including: selection and sources of equipment and supplies, laboratory planning, safety organization and management concerns, scheduling, student evaluation, discipline, professionalism, student organizations, activity and lesson planning. Computer applications incorporated throughout. For technology and engineering education certification. Prerequisite: To be taken the semester or year prior to professional semester and/or permission of instructor.

Proposed Course:
Course Number: TE496

Title of Course: Organization and Management for Technology and Engineering Education

Credit Hours: 3

Prerequisite: Junior or Senior status

Course Description (**as it will appear in the next catalog**): Instruction and laboratory experiences in organization and management of technology and engineering education laboratories, including: selection and sources of equipment and supplies, laboratory planning, safety organization and management concerns, scheduling, student evaluation, discipline, professionalism, student organizations, activity and lesson planning. Computer applications incorporated throughout. For technology and engineering education certification. Prerequisite: Junior or Senior status.

52

Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

   If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:
   _____

   Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
   If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
   <u>none</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 2/18/19 Signature, Department Chairperson _____

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair _____

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean _____

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair _____

☐ Approved: Faculty Senate
Date _____ Signature, Recording Secretary, Faculty Senate _____

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Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

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Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: **TWL**   College: **COT**   Submission Date: **2/28/19**

Contact Person: **Byron McKay**   ☒ Faculty member ☐ Chair

Revision Effective: **Fall 2019** (Semester/Year)

Offered: (check all that apply)
☐ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only for Technology and Engineering Education majors.

Purpose/Justification for Revision to Course: Remove prerequisite. TE331 is not required by Technology and Engineering Education majors.

Existing Course:
Course Number: TE551

Title of Course: Integrated Technology for Educators

Credit Hours: 3

Prerequisite: TE331

Course Description (**as it appears in the current catalog**): Reflects Standards for Technological Literacy: Content for the Study of Technology, essential core of technological knowledge and skills that K-12 students should acquire. Content addresses today's technological systems in communication, transportation, production and bio-related technologies. Provides instructional strategies for enhancing technological literacy-critical thinking, design and problem solving. Laboratory activities, integration of academics, and development of thematic units and teaching tools are primary means for learning. Prerequisite: TE 331 Overview of Technology and Engineering in STEM Education or permission of instructor.

Proposed Course:
Course Number: TE551

Title of Course: Integrated Technology for Educators

Credit Hours: 3

Prerequisite: none

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Course Description (**as it will appear in the next catalog**): Reflects Standards for Technological Literacy: Content for the Study of Technology, essential core of technological knowledge and skills that K-12 students should acquire. Content addresses today's technological systems in communication, transportation, production and bio-related technologies. Provides instructional strategies for enhancing technological literacy-critical thinking, design and problem solving. Laboratory activities, integration of academics, and development of thematic units and teaching tools are primary means for learning.

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Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

    If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:
    ___

    Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
    <u>none</u>

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PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ **Approved: Department Chairperson**
Date 2/18/19 Signature, Department Chairperson

☐ **Approved: College Curriculum Committee**
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ **Approved: Dean of College**
Date 4.10.19 Signature, Dean

☐ **Approved: General Education Committee (if applicable)**
Date _____ Signature, General Education Committee Chair

☐ **Approved: Council for Teacher Education (if applicable)**
Date _____ Signature, Council for Teacher Education Chair

☒ **Approved: Faculty Senate University Undergraduate Curriculum Committee**
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair

☐ **Approved: Faculty Senate**
Date _____ Signature, Recording Secretary, Faculty Senate

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the Zimbra Briefcase, *"Undergraduate Curriculum Legislation"* (within the appropriate College folder, *"Preliminary Legislation"*), to allow for review and questions. Any modifications should be saved as *"original file name.version2.docx"* (e.g. MATH 343.version 2.docx) and uploaded as well.

Please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Please Note: This is a 2-3 month process, at least, and is designed to eliminate questions and concerns at the beginning of the process. Any questions/concerns not addressed prior to the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process.

Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: **TWL**   College: **COT**   Submission Date: **2/28/19**

Contact Person: **Byron McKay**   ☒ Faculty member ☐ Chair

Revision Effective: **Fall 2019** (Semester/Year)

Offered: (check all that apply)
☒ Fall
☒ Spring
☐ Summer

Is this revision related to, and/or affect, any other department's/college's/unit's curricula or programs at Pittsburg State University?
☐ Yes ☒ No

Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.
This course is only for Technology and Engineering Education majors.

Purpose/Justification for Revision to Course: In order to meet 120 hour degree requirement, credit hour change is recommendation of Office of Teacher Education

Existing Course:
Course Number: **TE579**

Title of Course: Supervised Student Teaching and Follow-Up of Teachers

Credit Hours: **2**

Prerequisite: Concurrent enrollment in professional semester

Course Description (**as it appears in the current catalog**): Available only to students enrolled in the professional semester. A supervising professor will visit each student teacher. Additional mentoring, outreach, and support are available to first-year teachers who maintain contact with the department. Concurrent enrollment in the professional semester is required. Offered on a Pass-Fail basis only.

Proposed Course:
Course Number: **TE579**

Title of Course: Supervised Student Teaching and Follow-Up of Teachers

Credit Hours: **1**

Prerequisite: Concurrent enrollment in professional semester

Course Description (**as it will appear in the next catalog**): Available only to students enrolled in the professional semester. A supervising professor will visit each student teacher. Additional mentoring, outreach, and support are

available to first-year teachers who maintain contact with the department. Concurrent enrollment in the professional semester is required. Offered on a Pass-Fail basis only.

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Additional Questions

1. Is this course to be considered for General Education? ☐ Yes ☒ No

    If "yes," please indicate the University's General Education Goals met by this course AND the assessment data that will be collected to measure these goals:

    _____
    Please realize that it will need to gain approval of the General Education Committee.

2. Will this course be required of any education majors? ☒ Yes ☐ No
    If "yes," please realize that it will need to have the approval of the Council for Teacher Education.

3. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?
    <u>none</u>

PITTSBURG STATE UNIVERSITY
LEGISLATIVE PROCESS
AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

☑ Approved: Department Chairperson
Date 2/18/19 Signature, Department Chairperson

☐ Approved: College Curriculum Committee
Date 4.5.19 Signature, College Curriculum Committee Chair

☐ Approved: Dean of College
Date 4.10.19 Signature, Dean

☐ Approved: General Education Committee (if applicable)
Date _____ Signature, General Education Committee Chair _____

☐ Approved: Council for Teacher Education (if applicable)
Date _____ Signature, Council for Teacher Education Chair _____

☒ Approved: Faculty Senate University Undergraduate Curriculum Committee
Date 4-24-19 Signature, Undergraduate Curriculum Committee Chair

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