



## ATTACHMENT A1

**credit. Geometry is a math that is used extensively in several of the classes that Technology students will take and teach at the secondary level, such as Drafting/CADD and CIM (Computer Integrated Manufacturing). Change MATH 2043 Survey of Calculus to MATH 1213 Trigonometry. Technology Education Teachers do not have a need for Calculus but do have a need for Trigonometry. Trig is used in teaching courses at the secondary level such as digital electronics and civil engineering and architecture. The decision to change the two math courses was also supported by Mark Arnold, Associate Professor, MASC.**

Check if either of these boxes apply and provide the necessary signature:

- X Program change proposal adds courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: \_\_\_\_\_
- X Program change proposal deletes courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: \_\_\_\_\_

Check all the boxes that apply and complete the required sections of the form:

- Change of Name and Code (Complete only sections I, II, V and VII.)
- X Change Course Requirements: (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change in Program Policies

### SECTION VI: Justification

*Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)*

**TEED is requesting that CSCE 1013 College Computing Skills be deleted from its requirements because this course may be deleted from the computer science curriculum and most students come to the university with the skills that are taught in this course. TEED is requesting that we change the MATH 1203 college Algebra to MATH 3773 Geometry because most students have the algebra background and geometry is a math that is used extensively in several of the classes that technology students will take and teach at the secondary level such as Drafting/CADD, and CIM (Computer Integrated Manufacturing). TEED is requesting that we change the MATH 2043 Survey of Calculus to MATH 1213 Trigonometry because our students do not need Calculus but do need Trigonometry for the courses they take in the TEED program and for the classes they will teach at the secondary level such as digital electronics, and civil engineering and architecture.**

### SECTION VII: Catalog Text and Format

*In the box below, insert the current catalog text which is to be changed, with changes highlighted with the color yellow. Include all proposed changes identified in Section V. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate. If you are proposing a new program, give proposed text with all of the elements listed below. If you are proposing modified text, include these elements as appropriate.*

**Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:**

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.
- State eight-semester plan requirements

**For minors, state requirements in terms of hours, required courses, electives, etc.**

**For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.**

**For Law School program/units, prepare text consistent with current catalog style.**

**For centers, prepare text consistent with current catalog style.**

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## Current Catalog Text

### **Technology Education (TEED)**

**Charles Rossetti**

**Advisor**

**241 Peabody Hall**

**479-575-3076**

[crossett@uark.edu](mailto:crossett@uark.edu)

Completion of the Bachelor of Science in Education degree leads to initial licensure in Arkansas. This concentration is designed for students who wish to teach in a public school at the junior high or secondary level. Students should meet with their adviser for information regarding additional licensure plans (ALP) and endorsements. Refer to the college academic regulations, admission process for initial licensure for other requirements.

#### HOURS

University Core Requirements (State minimum core and graduation requirements)

35 - 38

Science concentration of core must include:

CHEM 1103/1101L University Chemistry

PHYS 2013/2011L College Physics

Technical Requirements

TEED 1103 The Nature of Technology

TEED 2103 Technology and Society

GNEG 1103 Introduction to Engineering

TEED 3103 Technological Research, Experimentation, & Trouble-Shooting

TEED 4103 Engineering Design Capstone

GNEG 1122 Introduction to CAD

53

MATH 2043 Survey of Calculus

TEED 3303 Energy, Power, and Transportation

TEED 3203 Information and Communication Systems

INEG 3513 Manufacturing Design and Processes

CSCE 1013 College Computing Skills

COMM 3803 Basic Video Production

MEEG 1103 Introduction to Mechanical Engineering

BENG 1022 Biological Engineering Design Studio I

Technical Electives (14 hours)

Professional Education

CATE 1001 Practicum in CATE

CIED 3023 Survey of Exceptionalities

36

CIED 3033 Classroom Learning Theory

CATE 4003 Professionalism

VOED 4013 Teaching Strategies

CATE 4023 Classroom Management

CATE 4033 Assessment/Program Evaluation

CATE 4041 Lab Management

EETEC 2001 Educational Technology

EETEC 2002L Educational Technology Lab

CATE 4051 Seminar

CATE 406V Teaching Internship (12 hours)

Total Hours 124

Internship Semester (Spring Semester/Senior Year) Admission

Criteria:

1. Candidate must hold a cumulative GPA of 2.50 or higher
2. Candidate must have taken and passed the Praxis I examination during the previous semester or earlier
3. Candidate must have taken and passed the Praxis II content examination during the previous semester or earlier
4. Candidate must complete a successful "internship admission interview" with Career and Technical Education faculty. These interviews are scheduled with all senior students during the fall semester.

Note: All students seeking licensure in the State of Arkansas are subject to a criminal background check. Forms needed to complete

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this procedure may be obtained in Room 117 of Peabody Hall on the University of Arkansas campus. These forms may also be obtained from any police station (including the University of Arkansas Police station) or directly from the Arkansas Department of Education. These background checks take up to six months to process; therefore, students are advised to complete and submit the forms to the proper authorities at least six months in advance of graduation (or six months prior to applying for a teaching license). Arkansas will not grant a teaching license to anyone who has been convicted of a felony.

### Technology Education Eight-Semester Degree Program

Students wishing to follow the eight-semester degree plan in Technology Education should see page 42 in the Academic Regulations chapter for university requirements of the program.

#### Fall Semester Year 1

3 ENGL 1013 Composition I  
3 GNEG 1103 Introduction to Engineering  
3 BENG 1012 Biological Engineering Design Fundamentals w/Lab  
3 PSYC 2003 General Psychology  
2 GNEG 1122 Introduction to CAD  
3 Technical Elective (MATH 1203 College Algebra if required/see advisor)  
1 CATE 1001 Practicum in Career & Technical Education

#### 17 Semester Hours

#### Spring Semester Year 1

3 ENGL 1023 Composition II  
3 †U.S. History  
3 MEEG 1103 Introduction to Mechanical Engineering  
2 CSCE 1013 College Computing Skills  
3 TEED 1103 The Nature of Technology  
3 MATH 2043 Survey of Calculus

#### 17 Total Hours

#### Fall Semester Year 2

4 CHEM 1103/1101L University Chemistry w/Lab  
3 †Fine Arts or Humanities  
3 ETEC 2001/2002L Educational Technology w/Lab  
3 TEED 2103 Technology & Society  
3 Technical Elective Course\*\*\*

#### 16 Semester Hours

#### Spring Semester Year 2

0 - 3 ENGL 2003 Advanced Composition (or exempt\*\*)  
0 - 3 If exempt take additional (3) Technical Elective Course\*\*\*  
3 INEG 3513 Manufacturing Design and Processes  
3 TEED 3103 Tech. Research, Experimentation, & Trouble-shooting  
3 †Fine Arts or Humanities  
3 †Social Science

#### 15 Total Hours

#### Fall Semester Year 3

3 CIED 3023 Survey of Exceptionalities  
3 CIED 3033 Classroom Learning Theory  
3 TEED 3203 Information and Communications Systems  
3 Technical Elective Course\*\*\*  
3 Technical Elective Course\*\*\*

#### 15 Semester Hours

#### Spring Semester Year 3

3 COMM 3803 Basic Video Production  
3 TEED 3303 Energy, Power, & Transportation  
4 PHYS 2013/2011L College Physics w/Lab  
3 †Social Science  
2 Technical Elective Course\*\*\*

#### 15 Semester Hours

#### Fall Semester Year 4

3 TEED 4103 Eng. Design for TE Capstone  
3 CATE 4003 Professionalism  
3 VOED 4013 Teaching Strategies  
3 CATE 4023 Classroom Management  
3 CATE 4033 Assessment & Program Evaluation

#### 15 Semester Hours

#### Spring Semester Year 4

1 CATE 4041 Lab Management  
1 CATE 4051 Seminar  
12 CATE 406V Teaching Internship (12 hours)

#### 14 Semester Hours

#### 124 Total Hours

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### Proposed Catalog Text

#### Technology Education (TEED)

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GNEG 1103 Introduction to Engineering

TEED 3103 Technological Research, Experimentation, & Trouble-Shooting

TEED 4103 Engineering Design Capstone

GNEG 1122 Introduction to CAD

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MATH 3773 Geometry

MATH 1213 Trigonometry

TEED 3303 Energy, Power, and Transportation

TEED 3203 Information and Communication Systems

INEG 3513 Manufacturing Design and Processes

COMM 3803 Basic Video Production

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3 Technical Elective MATH 3773 Geometry (MATH 1203 College Algebra if required/see advisor)  
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#### 17 Semester Hours

#### Spring Semester Year 1

3 ENGL 1023 Composition II  
3 †U.S. History  
3 MEEG 1103 Introduction to Mechanical Engineering  
3 Technical Elective Course  
3 TEED 1103 The Nature of Technology  
3 MATH 1213 Trigonometry

#### 18 Total Hours

#### Fall Semester Year 2

4 CHEM 1103/1101L University Chemistry w/Lab  
3 †Fine Arts or Humanities  
3 TEED 2103 Technology & Society  
6 Technical Elective Courses\*\*\*

#### 16 Semester Hours

#### Spring Semester Year 2

0 - 3 ENGL 2003 Advanced Composition (or exempt\*\*)  
0 - 3 If exempt take additional (3) Technical Elective Course\*\*\*  
3 INEG 3513 Manufacturing Design and Processes  
3 TEED 3103 Tech. Research, Experimentation, & Trouble-shooting  
3 †Fine Arts or Humanities  
3 †Social Science

#### 15 Total Hours

#### Fall Semester Year 3

3 CIED 3023 Survey of Exceptionalities  
3 CIED 3033 Classroom Learning Theory  
3 TEED 3203 Information and Communications Systems  
3 Technical Elective Course\*\*\*  
3 Technical Elective Course\*\*\*

#### 15 Semester Hours

#### Spring Semester Year 3

3 COMM 3803 Basic Video Production  
3 TEED 3303 Energy, Power, & Transportation  
4 PHYS 2013/2011L College Physics w/Lab  
3 †Social Science  
2 Technical Elective Course\*\*\*

#### 15 Semester Hours

#### Fall Semester Year 4

3 TEED 4103 Eng. Design for TE Capstone  
3 CATE 4003 Professionalism  
3 VOED 4013 Teaching Strategies  
3 CATE 4023 Classroom Management  
3 CATE 4033 Assessment & Program Evaluation

#### 15 Semester Hours

#### Spring Semester Year 4

1 CATE 4041 Lab Management  
1 CATE 4051 Seminar  
12 CATE 406V Teaching Internship (12 hours)

#### 14 Semester Hours

#### 124 Total Hours

\*If math background requires, take College Algebra 1203 before Geometry And Trig. If MATH 1203 is required use it as a technical elective.

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## SECTION VIII: Action Recorded by Registrar's Office

### PROGRAM INVENTORY/DARS

PGRM \_\_\_\_\_ SUBJ \_\_\_\_\_ CIP \_\_\_\_\_ CRTS \_\_\_\_\_

DGRE \_\_\_\_\_ PGCT \_\_\_\_\_ OFFC&CRTY VALID \_\_\_\_\_

### REPORTING CODES

PROG. DEF. \_\_\_\_\_ REQ. DEF. \_\_\_\_\_  
Initials \_\_\_\_\_ Date \_\_\_\_\_

### Distribution

Notification to:

- (1) College (2) Department (3) Admissions (4) Institutional Research (5) Continuing Education (6) Graduate School  
(7) Treasurer (8) Undergraduate Program Committee

7/2/07