COLORADO MESA UNIVERSITY

**Undergraduate Curriculum Committee**
**Meeting Minutes**
**March 9, 2017**
3:30 pm, UC 222

**Members Present:** Diana Bailey, Lisa Driskell, Eric Elliott, Sean Flanigan, Keith Fritz, Geoffrey Gurka, Jennifer Hancock, Glenn Hoff, Eliot Jennings, Scott Kessler, Jennifer LaBombard-Daniels, and Jill Van Brussel

**Members Absent:**

**Ex-officio members present:** Kurt Haas (AVPAA), Barbara Borst (for Rose Petralia, Library), and Holly Teal (Registrar).

**Guests:** Maggie Bodyfelt (Registrar's Office); Michael Carsten and John McLaughlin (Western Colorado Community College).

**Recording Secretary:** Jessie Barnett

Chair Kessler called the meeting to order at 3:30

## I. Announcements

A) Meeting minutes from 1/26/17 Faculty Senate's 3/2/2017 Consent Agenda
B) Meeting minutes from 2/23/17 forwarded to Faculty Senate on 3/8/17.

Chair Kessler made the above announcements.

## II. Curriculum Proposals

**Summary of committee actions on curriculum proposals begins on pg. 3.**
**Further details of proposals begin on pg.8.**

## III. Information Items

A) The following items were tabled at the last meeting because they had not yet been listed as approved in WCCC Curriculum Committee meeting minutes:
   - Program Modification, AAS Electric Lineworker: 1391
   - Program Modification, Tech Cert (A-M) Medical Office Assistant: 1158

   Both program modifications are scheduled to be on the 3/14/17 WCCC Curriculum Committee Meeting Agenda, to be brought back to the UCC for the 4/13/17 meeting.

Chair Kessler and Mr. Hoff provided the above updates. In addition, the meeting scheduled for 3/14 has additional program additions that will need to be considered by this committee at the April meeting.

B) Essential Learning Subcommittee Minutes from 2/22/2017

Chair Kessler explained that these minutes do not have any items for action by the UCC. Dr. Haas explained that all gtPathways are up for re-approval by the state in the next few years, but that this has changed to be a mostly internal process. Dr. Driskell mentioned that there are some Spanish courses applying for the Essential Learning Humanities category.

C) Registrar's Office Update

Ms. Maggie Bodyfelt updated the committee that the Registrar's Office is planning to propose some changes to the Manual.

D) Committee Calendar and Submission Deadlines

Chair Kessler advised the committee to expect a proposal for next year's submission deadlines and meeting calendar to allow more time between the submission deadline and the meeting date, and to address the large workload for the January and February meetings.

## IV. New Business

**With no additional business, the meeting adjourned at 4:08**

Respectfully submitted,
Jessie Barnett
Recording Secretary

# Summary of UCC Actions on Curriculum Proposals

# 3/9/2017

| | Proposal | Committee Action | Members (motion/second) | Effective Date |
|---|---|---|---|---|
| 1 | Program Modification: Minor Music-Vocal: M211 | Tabled | Flanigan, Jennings | |

The intent of the proposal is to delete the Track B option. An issue was raised: the remaining courses for the minor equal 25 credits rather than the stated total of 24. The institutional policy stipulates that 24 credits are the limit for a minor. Dr. Haas stated that this appears to be the higher education standard but is not stipulated by state policy. Dr. Flanigan is not sure at this time where 1 credit can be eliminated. Dr. Driskell stated that the minor will need at least 8 upper division credits to meet the 33% policy, so the 1 credit to be eliminated should be a lower-division course. This proposal was tabled to allow the department time to align the minor with policy.

| | | | | |
|---|---|---|---|---|
| 2 | Course Addition: ELCE 102 Electrical Blueprint Reading | Tabled | Longest, Elliott | Fall 2017 |

Mr. John McLaughlin provided an overview of the proposed changes to the Construction Electrical courses and program. Required correction is the reviewed catalog descriptions that have now been provided.

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|---|---|---|---|---|
| 3 | Course Addition: ELCE 150 DC Circuit Fundamentals | Approved contingent upon corrections | Longest, Elliott | Fall 2017 |

Required correction is the reviewed catalog descriptions that have now been provided.

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|---|---|---|---|---|
| 4 | Course Addition: ELCE 167 Electrical Maintenance | Approved contingent upon corrections | Longest, Elliott | Fall 2017 |

Required correction is the reviewed catalog descriptions that have now been provided.

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|---|---|---|---|---|
| 5 | Course Addition: ELCE 220 Industrial Controls | Approved contingent upon corrections | Longest, Elliott | Fall 2017 |

Required correction is the reviewed catalog descriptions that have now been provided.

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|---|---|---|---|---|
| 6 | Course Addition: ELCE 222 Instrumentation and Process | Approved contingent upon corrections | Longest, Elliott | Fall 2017 |

Required correction is the reviewed catalog descriptions that have now been provided.

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|---|---|---|---|---|
| 7 | Course Addition: ELCE 225 Introduction to PLCs | Approved contingent upon corrections | Longest, Elliott | Fall 2017 |

Required correction is the reviewed catalog descriptions that have now been provided.

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|---|---|---|---|---|
| 8 | Course Addition: ELCE 229 AC/DC Variable Speed Drive | Approved contingent upon corrections | Longest, Elliott | Fall 2017 |

Required correction is the reviewed catalog descriptions that have now been provided. Titles and descriptions will be corrected to use the common abbreviation "AC/DC," "AC," or "DC."

| | Proposal | Committee Action | Members (motion/second) | Effective Date |
|---|---|---|---|---|
| 9 | Course Addition: ELCE 263 Specific Wiring for Structured Cabling Systems | Approved contingent upon corrections | Longest, Elliott | Fall 2017 |
| | Required correction is the reviewed catalog descriptions that have now been provided. | | | |
| 10 | Course Modification: ELCE 110 Electrical Installations I | Approved contingent upon corrections | LaBombard-Daniels, Hoff | Fall 2017 |
| | Titles and descriptions will be corrected to use the common abbreviation "AC/DC," "AC," or "DC." | | | |
| 11 | Course Modification: ELCE 120 Electrical Installation II | Approved contingent upon corrections | LaBombard-Daniels, Hoff | Fall 2017 |
| | Titles and descriptions will be corrected to use the common abbreviation "AC/DC," "AC," or "DC." | | | |
| 12 | Course Modification: ELCE 124 Construction Safety | Approved contingent upon corrections | LaBombard-Daniels, Hoff | Fall 2017 |
| | Titles and descriptions will be corrected to use the common abbreviation "AC/DC," "AC," or "DC." | | | |
| 13 | Course Modification: ELCE 155 AC Circuits | Approved contingent upon corrections | LaBombard-Daniels, Hoff | Fall 2017 |
| | Titles and descriptions will be corrected to use the common abbreviation Titles and descriptions will be corrected to use the common abbreviation "AC/DC," "AC," or "DC." | | | |
| 14 | Course Deletion: ELCE 217 Electrical Estimating /Costing | Approved | Hoff, Fritz | Fall 2017 |
| | Course titles on program sheet will be corrected to use the common abbreviation "AC/DC". | | | |
| 15 | Program Modification: AAS Construction Electrical: 1392 | Approved contingent upon corrections | Flanigan, Hoff | Fall 2017 |
| | Course titles on program sheet will be corrected to use the common abbreviation "AC/DC","AC," or "DC." | | | |
| 16 | Program Modification: Tech Cert (A-M) Construction Electrical: 1316 | Acknowledged | Bailey, Gurka | Fall 2017 |
| | Course titles on program sheet will be corrected to use the common abbreviation "AC/DC","AC," or "DC." | | | |
| 17 | Course Addition: CUAR 220 Fundamentals of Healthy Cooking | Approved | Hoff, Fritz | Fall 2017 |
| | Course developed at the request of Kinesiology faculty. No concerns. | | | |
| 18 | Course Modification: CUAR 160 Cake Decorating | Approved | LaBombard-Daniels, Elliott | Fall 2017 |
| | No concerns. | | | |

| | Proposal | Committee Action | Members (motion/second) | Effective Date |
|---|---|---|---|---|
| 19 | Course Deletion: CUAR 100 Culinary Program Fundamentals | Approved | Gurka, Elliott | Fall 2017 |
| | No concerns. | | | |
| 20 | Program Modification: AAS Baking and Pastry: 1340 | Approved | Driskell, Gurka | Fall 2017 |
| | No concerns. | | | |
| 21 | Program Modification: AAS Culinary Arts: 1350 | Approved | Driskell, Gurka | Fall 2017 |
| | No concerns. | | | |
| 22 | Program Modification: Tech Cert (A-M) Baking and Pastry: 1140 | Acknowledged | Bailey, LaBombard-Daniels | Fall 2017 |
| | No concerns. | | | |
| 23 | Program Modification: Tech Cert (A-M) Culinary Arts: 1351 | Acknowledged | Bailey, LaBombard-Daniels | Fall 2017 |
| | No concerns. | | | |
| 24 | Program Addition: Technical Cert Light Duty Automotive Technician Foundations I | Acknowledged | Elliott, LaBombard-Daniels | Fall 2017 |
| | Mr. Michael Carsten provided an overview of Transportation Services proposals, explaining that the accrediting body has recently changed guidelines that these changes are aliging with. | | | |
| 25 | Program Addition: Technical Cert Light Duty Automotive Technician Foundations II | Acknowledged | Elliott, LaBombard-Daniels | Fall 2017 |
| | No concerns. | | | |
| 26 | Course Modification: TSTC 100 Introduction to Transportation Services | Approved | Hoff, Bailey | Fall 2017 |
| | No concerns. | | | |
| 27 | Course Modification: TSTC 101 Vehicle Service and Inspection | Approved | Hoff, Bailey | Fall 2017 |
| | No concerns. | | | |
| 28 | Course Modification: TSTC 130 Electrical I | Approved | Hoff, Bailey | Fall 2017 |
| | No concerns. | | | |
| 29 | Course Modification: TSTC 160 Electrical II | Approved | Hoff, Bailey | Fall 2017 |
| | No concerns. | | | |

| Proposal | | Committee Action | Members (motion/second) | Effective Date |
|---|---|---|---|---|
| 30 | Course Modification: TSTC 170 Chassis Fundamentals | Approved | Hoff, Bailey | Fall 2017 |
| | No concerns. | | | |
| 31 | Course Modification: TSTC 171 Brakes I | Approved | Hoff, Bailey | Fall 2017 |
| | No concerns. | | | |
| 32 | Course Modification: TSTG 120 Industrial Safety Practices | Approved | Hoff, Bailey | Fall 2017 |
| | No concerns. | | | |
| 33 | Course Modification: TSTG 175 Brake II | Approved contingent upon corrections | Hoff, Bailey | Fall 2017 |
| | Correct course title to read "Brakes" instead of "Brake" | | | |
| 34 | Course Modification: TSTG 195 Climate Control | Approved | Hoff, Bailey | Fall 2017 |
| | No concerns. | | | |
| 36 | Course Addition: UNIV 103 Community College Success II | Approved | Hancock, Hoff | Fall 2017 |
| | No concerns. | | | |
| 35 | Course Modification: UNIV 102 Community College Success | Approved | Gurka, Elliott | Fall 2017 |
| | No concerns. | | | |

# Curriculum Committee Proposal Summary

# 3/9/2017

## Department: WCCC-Construction Electric

Course Additions

ELCE 102 Credit Hours 4

Course Title: Electrical Blueprint Reading

Abbreviated Title: Electric Blueprint Read

Contact hours per week: Lecture Lab Field Studio Other 6

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 4500 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☑ J-Term ☐ Spring ☑ Summer ☐

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☐ No ☑

Prerequisite for other course(s): Yes ☐ No ☑

Co-requisites: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

WCCC Tech Cert (A-M), Construction Electrical: 1316

Course is a requirement for a new program:

AAS Construction Electrical and Technical certificate Construction Electrical

Overlapping content with present courses offered on campus: Yes ☐ No ☑

Additional faculty FTE required: Yes ☐ No ☑

Additional equipment required: Yes ☐ No ☑

Additional lab facilities required: Yes ☐ No ☑

Course description for catalog:

Development of skills needed to interpret electrical drawings properly. Critical for anyone involved in the design, construction, or maintenance of electrical systems.

Justification:

Updating program courses to meet state and industry standards.

Topical course outline:

Architectural electrical drawings, known as construction blueprints

A. Different electrical prints and their purpose
B. Draying layout ¿ Title Blocks & Scales
C. Electrical devices ¿ Their ANSI-recommended symbols
D. Plan views
E. Floor plans

Course Additions

G. Sections
H. Pictorial views
I. Detail drawings
J. Schedules

II. Electrical specifications
A. Apply the information found in a set of electrical specifications
B. Electrical-construction group project
C. A typical electrical construction project
D. Sketch simple electrical systems and circuits
E. Examine electrical prints for errors
F. Apply important NEC rule

III. Electrical devices and components
A. IEEE and IED symbols ¿ For devices found on schematic diagrams

IV. National Electrical Code¿ (NEC)¿ requirements for electrical systems
A. NEMA symbols
B. IEC symbols
C. Applications
D. Operation

V. Real equipment with schematic symbols
A. Single-Line Type Diagrams
B. Block diagrams
C. Power risers
D. Wiring diagrams
E. Device function numbers
F. One-line power distribution diagram
G. Electrical schematic diagrams

VI. Basic electrical concepts such as voltage drop, conductor fill, short-circuit analysis
A. Basic Troubleshooting Techniques
B. Voltage checks
C. Resistance checks
D. Continuity checks
E. Basic Electrical Drawings
F. Schematics
G. Ladder diagrams
H. Physical layout

VII. Applying Troubleshooting Procedures
A. Manual Circuits
B. Automatic Circuits
C. Typical Problems

Student Learning Outcomes:

Define and interpret architectural electrical drawings, known as construction blueprints
Demonstrate how to apply electrical specifications
Describe the applications and ratings of electrical devices and components
Identify National Electrical Code(NECrequirements for electrical systems
Identify real equipment with schematic symbols
Demonstrate basic electrical concepts such as voltage drop, conductor fill, short-circuit analysis

Proposed by: John McLaughlin Expected Implementation: Fall 2017

## Course Additions

ELCE 150 Credit Hours 4

Course Title: DC Circuit Fundamentals

Abbreviated Title: D/C Circuit Fund

Contact hours per week: Lecture Lab Field Studio Other 6

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 4500 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☑ J-Term ☐ Spring ☑ Summer ☐

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☐ No ☑

Prerequisite for other course(s): Yes ☐ No ☑

Co-requisites: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

Course is a requirement for a new program:

AAS Construction Electrical

Overlapping content with present courses offered on campus: Yes ☐ No ☑

Additional faculty FTE required: Yes ☐ No ☑

Additional equipment required: Yes ☐ No ☑

Additional lab facilities required: Yes ☐ No ☑

Course description for catalog:

Introduction to the principles of DC electricity and magnetism with emphasis on Ohm's, Kirchoff's, and Watt's laws to analyze circuit voltage, current, and power. Addresses common measuring instruments and safety.

Justification:

Updating program courses to meet state and industry standards.

Topical course outline:

I. Define and explain the new technical terms introduced
II. Basic circuit concepts
III. Electrical quantity measurement, scientific notation and metric prefixes
IV. Ohms law
V. Electrical power and energy
VI. Series circuits
VII. Parallel circuits
VIII. Series-parallel circuits and loaded voltage dividers
IX. Batteries
X Magnetism and Electromagnetism

Student Learning Outcomes:

Course Additions

Analyze typical electrical circuits and determine the properties w/in those circuits
Simplify direct current series-parallel circuits
Compare and explain the different types of electrical loads and how they interact
Demonstrate the ability to develop proper safety practices when working with electricity

Discussions with affected departments:

N/A

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Proposed by: John McLaughlin Expected Implementation: Fall 2017

Course Additions

ELCE 167 Credit Hours 4

Course Title: Electrical Maintenance

Abbreviated Title: Electrical Maintenance

Contact hours per week: Lecture Lab Field Studio Other 6

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 4500 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☑ J-Term ☐ Spring ☑ Summer ☐

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☐ No ☑

Prerequisite for other course(s): Yes ☐ No ☑

Co-requisites: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

Course is a requirement for a new program:

AAS Construction Electrical

Overlapping content with present courses offered on campus: Yes ☐ No ☑

Additional faculty FTE required: Yes ☐ No ☑

Additional equipment required: Yes ☐ No ☑

Additional lab facilities required: Yes ☐ No ☑

Course description for catalog:

Introduction to common electrical repairs, electrical systems, tools and test equipment. Includes replacing or repairing devices, such as receptacles, light fixtures and ballasts, circuit breakers, fuses, and switches. Addresses electrical safety and code applications.

Justification:

Updating program courses to meet state and industry standards.

Topical course outline:

I. Basic Electricity
II. Meters
III. Electrical Tools
IV. Safety
V. Systems Components
VI. Repairs and Maintenance

Student Learning Outcomes:

Describe basic electricity
Define Meters: proper use and application
Demonstrate knowledge of electrical tools
Describe Safety knowledge
Describe electrical system components
Demonstgrate ability to do common repairs and maintenance

## Course Additions

Proposed by: John McLaughlin

Expected Implementation: Fall 2017

Course Additions

ELCE 220 Credit Hours 4

Course Title: Industrial Controls

Abbreviated Title: Industrial Controls

Contact hours per week: Lecture Lab Field Studio Other 6

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 4500 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☑ J-Term ☐ Spring ☑ Summer ☐

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☐ No ☑

Prerequisite for other course(s): Yes ☐ No ☑

Co-requisites: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

WCCC Tech Cert (A-M), Construction Electrical: 1316

Course is a requirement for a new program:

AAS Construction Electrical, Technical Certificate-Construction Electrical

Overlapping content with present courses offered on campus: Yes ☐ No ☑

Additional faculty FTE required: Yes ☐ No ☑

Additional equipment required: Yes ☐ No ☑

Additional lab facilities required: Yes ☐ No ☑

Course description for catalog:

Application of electrical and electromechanical sensing/control devices including heating, ventilating, and air conditioning applications, motor control, conveyor drives, and other industrial applications. Students design control systems to meet assigned conditions, use principles of relay logic to prepare correct ladder diagrams and wire up, test, and troubleshoot their systems. Course stresses accuracy, safety, and National Electric Code requirements.

Justification:

Updating program courses to meet state and industry standards.

Topical course outline:

Electrical symbols and ladder diagrams

II. Control logic and fail safe operation
III. Control components
IV. Wiring methods and environmental considerations
V. Industry standards and national electric code requirements
VI. Troubleshooting techniques and safety practices

Student Learning Outcomes:

Describe the general type of application in which a electrical and electromechanical sensing/control devices would best be used and give examples.

Describe an electromagnetic relay and define control circuit, in the context of an electromagnetic relay.

Define electrical and electromechanical sensing/control devices

Course Additions

Describe the general type of application in which a electrical and electromechanical sensing/control devices would best be used and give examples.
Define principles of relay logic to prepare correct ladder diagrams.
Explain the purpose for using principles of relay logic to prepare correct ladder diagrams.
Identify circuits in a relay ladder diagram, and construct a truth table for each.
Explain how to wire up, test and trouble-shoot these systems.
Demonstrate how to wire up, test and trouble-shoot their systems.
List the elements in a good documentation package.
Explain the major concepts of troubleshooting, including problems sometimes encountered.
Describe routine maintenance procedures required by a system.

Proposed by: John McLaughlin Expected Implementation: Fall 2017

## Course Additions

ELCE 222 Credit Hours 4

Course Title: Instrumentation and Process

Abbreviated Title: Instrumenation & Process

Contact hours per week: Lecture Lab Field Studio Other 6

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 4500 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☑ J-Term ☐ Spring ☑ Summer ☐

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☐ No ☑

Prerequisite for other course(s): Yes ☐ No ☑

Co-requisites: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

Course is a requirement for a new program:

AAS Construction Electrical

Overlapping content with present courses offered on campus: Yes ☐ No ☑

Additional faculty FTE required: Yes ☐ No ☑

Additional equipment required: Yes ☐ No ☑

Additional lab facilities required: Yes ☐ No ☑

Course description for catalog:

Investigation of theory of industrial instrumentation measurement through process control. Includes theory and measurement methods for temperature, pressure, level, and flow. Incorporates hands-on training equipment to measure temperature and pressure, and perform calibration of a pressure differential transmitter. Test equipment is used to simulate a two-wire transmitter and source a current signal for calibration of an I/P transducer.

Justification:

Updating program courses to meet state and industry standards.

Topical course outline:

Overview of process control
II. Closed loop components
III. Standard signals
IV. Basic electrical theory
V. Documentation
VI. Temperature measuring theory and examples
VII. Flow measuring theory and examples
VIII. Pressure measuring theory and examples
IX. Level measuring theory and examples
X Density measuring theory and examples
XI. Analytical measuring theory and examples
XII. Final control elements

Course Additions

XIII. Troubleshooting
XIV. Controllers

Student Learning Outcomes:

Identify the components of a closed loop
Demonstrate ability to recognize and use documentation
Illustrate knowledge of analog signals and analog signal characteristics
Demonstrate ability to recognize common measuring instruments
Describe troubleshooting
Illustrate how a three mode controller works
Identify advanced control methods

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Proposed by: John McLaughlin Expected Implementation: Fall 2017

Course Additions

ELCE 225 Credit Hours 4

Course Title: Introduction to PLCs

Abbreviated Title: Intro to PLC

Contact hours per week: Lecture Lab Field Studio Other 6

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 4500 Student preparation minutes: 4500

Intended semesters for offering this course: Fall ☑ J-Term ☐ Spring ☑ Summer ☐

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☐ No ☑

Prerequisite for other course(s): Yes ☐ No ☑

Co-requisites: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

Course is a requirement for a new program:

AAS Construction Electrical

Overlapping content with present courses offered on campus: Yes ☐ No ☑

Additional faculty FTE required: Yes ☐ No ☑

Additional equipment required: Yes ☐ No ☑

Additional lab facilities required: Yes ☐ No ☑

Course description for catalog:

Development of the ability to read, interpret, and analyze electrical ladder drawings. Acquaints the student with the basic electromechanical components commonly used in electrical control circuits, as well as solid-state relays and the role of programmable controllers.

Justification:

Updating program courses to meet state and industry standards.

Topical course outline:

I. Symbols and Components
II. Troubleshooting
III. Drawings
IV. Circuits
V. Construction Drawings
VI. Single-line Drawings
VII. The Electrical Project

Student Learning Outcomes:

Detemonstrate knowledge of Symbols and components
Demonstrate Basic troubleshooting techniques
Demonstrate basic electrical drawings
Define circuits
Demonstrate ability in reading and interpreting construction drawings
Illustrate reading and interpreting electrical single-line diagrams

Course Additions

Define the electrical project

Proposed by: John McLaughlin Expected Implementation: Fall 2017

## Course Additions

ELCE 229 Credit Hours 2

Course Title: AC/DC Variable Speed Drive

Abbreviated Title: AC&DC Varible Speed Driv

Contact hours per week: Lecture Lab Field Studio Other 3

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 2250 Student preparation minutes: 2250

Intended semesters for offering this course: Fall ☑ J-Term ☐ Spring ☑ Summer ☐

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☐ No ☑

Prerequisite for other course(s): Yes ☐ No ☑

Co-requisites: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

Course is a requirement for a new program:

AAS Construction Electrical

Overlapping content with present courses offered on campus: Yes ☐ No ☑

Additional faculty FTE required: Yes ☐ No ☑

Additional equipment required: Yes ☐ No ☑

Additional lab facilities required: Yes ☐ No ☑

Course description for catalog:

Introduction to variable speed drive technology that offers a cost-effective method to match driver speed to load demands. Represents a state-of-the-art opportunity to reduce operating costs and improve overall productivity. Focuses on variable speed drive technology including operation, set-up, troubleshooting, maintenance, proper selection, and application for drives, as well as basic drive overview and comparison.

Justification:

Updating program courses to meet state and industry standards.

Topical course outline:

I. Drive overview and comparison
II. Dynamic relationship and formulas
III. DC motors
IV. Constant horsepower range generic control requirements
V. Maintenance recommendations and special considerations
VI. AC induction motors
VII. Effects of operating on variable frequency
VIII. Types of variable speed drives and comparison
IX. Ideal motor for variable speed drive operation/motor
X Proper selection and application for drives
XI. Energy saving opportunities
XII. Variable torque operations

Course Additions

XIII. Wrap-up and review

Student Learning Outcomes:

Analyze a typical variable speed drive technology, including electrical circuits and determine the properties within typical variable speed drives
Illustrate ability to diagram proper selection and application for drives system
Compare and explain the different types of variable speed drives and comparison
Develop proper maintenance practices when working with drives

Proposed by: John McLaughlin Expected Implementation: Fall 2017

Course Additions

ELCE 263 Credit Hours 2

Course Title: Specific Wiring for Structured Cabling Systems

Abbreviated Title: Spec Wiring

Contact hours per week: Lecture Lab Field Studio Other 3

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 2250 Student preparation minutes: 2250

Intended semesters for offering this course: Fall ☑ J-Term ☐ Spring ☑ Summer ☐

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☐ No ☑

Prerequisite for other course(s): Yes ☐ No ☑

Co-requisites: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

Course is a requirement for a new program:

AAS Construction Electrical

Overlapping content with present courses offered on campus: Yes ☐ No ☑

Additional faculty FTE required: Yes ☐ No ☑

Additional equipment required: Yes ☐ No ☑

Additional lab facilities required: Yes ☐ No ☑

Course description for catalog:

Development of ability to wire for specifications and for structured cabling systems. Examines the job layout, products used, and execution of the project.

Justification:

Updating program courses to meet state and industry standards.

Topical course outline:

Proper layout of a job
Specifications
Products

Student Learning Outcomes:

Create and establish the scope and responsibilities of a job as described by the specifications
Demonstrate ability to wire for specific projects in residental and commercial.
Develop specifications to demonstrate an understanding of layout, products and job execution

Proposed by: John McLaughlin Expected Implementation: Fall 2017

## Course Modifications

ELCE 110

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | ELCE | |
| Course No.: | 110 | |
| Credit Hours: | 4 | |
| Course Title: | Electrical Installations I | House Wiring |
| Times for Credit: | 1 | 1 |

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

WCCC Tech Cert (A-M), Construction Electrical: 1316

Justification:

Updating name of course to match state and industry requirements

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Proposed by: John McLaughlin Expected Implemention: Fall 2017

## Course Modifications

ELCE 120

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | ELCE | |
| Course No.: | 120 | |
| Credit Hours: | 4 | |
| Course Title: | Electrical Installation II | Commerical Wiring |
| Times for Credit: | 1 | 1 |

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

WCCC Tech Cert (A-M), Construction Electrical: 1316

Justification:

Updating courses to match state and industry standards

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Proposed by: John McLaughlin Expected Implemention: Fall 2017

## Course Modifications

ELCE 124

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | ELCE | |
| Course No.: | 124 | |
| Credit Hours: | 1 | 1 |
| Course Title: | Construction Safety | Electrical Safety |
| Times for Credit: | 1 | 1 |

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

WCCC Tech Cert (A-M), Construction Electrical: 1316

Justification:

Updating courses to match state and industry standards.

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Proposed by: John McLaughlin Expected Implemention: Fall 2017

## Course Modifications

ELCE 155

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | ELCE | |
| Course No.: | 155 | |
| Credit Hours: | 4 | 4 |
| Course Title: | AC Circuits | A/C Circuit Fundamentals |
| Times for Credit: | 1 | 1 |

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

WCCC Tech Cert (A-M), Construction Electrical: 1316

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Proposed by: John McLaughlin Expected Implemention: Fall 2017

Course Deletions

ELCE 217 Credit Hours 2

Course Title: Electrical Estimating /Costing

Essential Learning Course: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☑ No ☐

WCCC AAS, Construction Electrical: 1392

Prerequisite for other course(s): Yes ☐ No ☑

Co-requisite for other course(s): Yes ☐ No ☑

Justification:

Updating the program to meet the current standards in the Construction Electrician industry.

Proposed by: Christine Murphy Expected Implementation: Fall 2017

Program Modification

Construction Electrical: 1392

Degree Type: AAS

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Updated program removed ELCE 100, ELCE 125, ELCE 169, ELCE 215, CONC 104, PROS 117, ELCE 217

Courses added ELCE 102, ELCE 150, ELCE 167, ELCE 220, ELCE 225, ELCE 229, ELCE 263.

Course name change ELCE 110 to House Wiring; ELCE 120 to Commercial Wiring, ELCE 124 to Electrical Safety. ELCE 155 A/C Circuit Fundamentals.

Justification:

Updating curriculum and courses to match industry and state standards.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

N/A

Proposed by: John McLaughlin

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Construction Electrical: 1316

Degree Type: Tech Cert (A-M)

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Updated program. Removed Math 107, ELCE 100 Electrical Construction, ELCE 125 Electrical Principles/Application, ELCE 169 Electrical Code Calculations, CONC 104 Archit/Civil Print Reading and PROS 117 ELectronics I (A/C D/C)
Added courses ELCE 155 A/C Curcuit Fundamentals, ELCE 102 Electrical Blueprint Reading, ELCE 135 National Electrical Code II, and ELCE 220 Industrial Controls
Course name change ELCE 110 to House Wiring; ELCE 120 to Commercial Wiring, ELCE 124 to Electrical Safety.

Justification:

Updating curriculum and courses to match industry and state standards.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

N/A

Proposed by: John McClaughlin

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: WCCC-Culinary/Baking

Course Additions

CUAR 220 Credit Hours 3

Course Title: Fundamentals of Healthy Cooking

Abbreviated Title: Healthy Cooking

Contact hours per week: Lecture Lab Field Studio Other 4.5

Type of Instructional Activity: Lecture/Laboratory: Vocational/Technical

Academic engagement minutes: 3375 Student preparation minutes: 3375

Intended semesters for offering this course: Fall ☑ J-Term ☐ Spring ☑ Summer ☐

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☐ No ☑

Prerequisite for other course(s): Yes ☐ No ☑

Co-requisites: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☑ No ☐

WCCC AAS, Culinary Arts: 1350

Overlapping content with present courses offered on campus: Yes ☐ No ☑

Additional faculty FTE required: Yes ☐ No ☑

Additional equipment required: Yes ☑ No ☐

This course will be open to non-culinary students. Culinary students are required to have their own knives. Kitchen knives will need to be provided for the non-culinary students. Estimated cost of tools is <$500.

Additional lab facilities required: Yes ☐ No ☑

Course description for catalog:

Application of theory and production techniques required to prepare and serve foods that emphasize the importance of a healthy diet, promote beneficial eating habits, and encourage the personal enjoyment of cooking and eating.

Justification:

This course will present fundamental human nutritional concepts for purposes of review. The general population is becoming increasingly aware of and concerned about the links between diet and health. The purpose of this course is to provide students with the knowledge and skills to prepare meals from whole foods that meet the current dietary guidelines. Students in the fields of culinary arts, nursing, and kinesiology may find that these skills are vital to their careers as they will be called upon to advise their clientele on how to integrate healthful changes into their daily habits.

Topical course outline:

I. Introduction to whole food nutrition
   a. Review nutritional concepts
      i. Nutrients
      ii. Recommended daily intake
   b. Healthy ingredients
II. Nutritional issues

Course Additions

a. Obesity and overweight
b. Mothers and infants
c. Children and adolescents
d. Healthy aging
e. Geriatrics
f. HIV/AIDS
g. Chronic diseases
h. Disabilities
i. Food allergens
j. Vegetarianism
k. Wellness and disease prevention
l. Fad diets

III. Safe kitchen principles
a. Safe knife skills
b. Basic kitchen supplies and use
c. Food preservation
d. Safe food handling
e. Cooking methods and flavor development

IV. Planning a healthy diet for different populations or disease groups
a. Meal planning
b. Menu and shopping
c. Budget and food costing
d. Label reading
e. Online food delivery programs
f. Whole and clean food cooking principles

V. Food assistance programs
a. Historical background
b. Federal domestic nutrition assistance programs
c. Food resource safety nets

VI. Product evaluation
a. Presentation, sensory evaluation, and satiation
b. Comparison to "traditional" preparations
c. Market acceptance

VII. Meal preparation
a. Breakfast
b. Salads and soups
c. Entrees and side dishes
d. Snacks
e. Healthy desserts

Student Learning Outcomes:

Identify and execute safe knife skills in preparation of healthy cooking.
Identify and use basic kitchen equipment for healthy cooking.
Determine which cooking methods are best suited to maintaining a healthy diet.
Demonstrate safe food handling.
Describe components of a healthy diet.
Analyze food labels and ingredient lists for healthy choices.
Develop healthy menus and shopping lists for different populations, disease or community groups.
Compare programs and services that provide food and nutritional services in the community.
Evaluate recipes and menus to determine if they meet dietary guidelines.
Demonstrate menu, diet, or recipe modification to reflect healthier options.
Choose appropriate technology, resources, websites and research sites to obtain nutrition and data.
Demonstrate and apply healthy cooking principles for different population groups.
Identify key components of the current Dietary Guidelines.

Course Additions

Identify key components of sensory evaluation and how they relate to the enjoyment of food.
Prepare and evaluate a variety of foods that meet dietary guidelines.
Utilize sensory evaluation to predict whether or not healthy recipes will be accepted by the average consumer.
Evaluate food intake and make general recommendations to improve dietary intake.

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Proposed by: Wayne Smith Expected Implementation: Fall 2017

## Course Modifications

CUAR 160

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | CUAR | |
| Course No.: | 160 | |
| Credit Hours: | 5 | |
| Course Title: | Cake Decorating | |
| Times for Credit: | 1 | 1 |

Prerequisites:

Current: CUAR 100, CUAR 101, and CUAR 145

Proposed: CUAR 101 and CUAR 145

| | | | | |
|---|---|---|---|---|
| Requirement or listed choice for any program of study: | Yes | ☑ | No | ☐ |
| Change affects program sheet or grad requirements: | Yes | ☐ | No | ☑ |

Justification:

CUAR 100 is to be deleted.

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Proposed by: Wayne Smith Expected Implemention: Fall 2017

## Course Deletions

CUAR 100 Credit Hours 3

Course Title: Culinary Program Fundamentals

Essential Learning Course: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☑ No ☐

WCCC AAS, Culinary Arts: 1350

WCCC Tech Cert (A-M), Culinary Arts: 1351

WCCC AAS, Baking and Pastry: 1340

WCCC Tech Cert (A-M), Baking and Pastry: 1140

Prerequisite for other course(s): Yes ☑ No ☐

CUAR 160

Co-requisite for other course(s): Yes ☑ No ☐

CUAR 125 Introduction to Food Produciton, CUAR 145 Introduction to Baking

Justification:

CUAR 100 has been ineffective. Students are not finding this course to be a worthwhile use of their time. As a result, attendance and passing rates have been low. Rather than giving students a good foundation to build on in their college career, it is reducing retention rates. Introductory material on kitchen safety, tool usage, basic knife skills and cooking techniques can be shifted back to CUAR 125 and CUAR 145 where they were originally taught. Mathematical concepts from CUAR 100 will be introduced in MATH 107.

Proposed by: Wayne Smith Expected Implementation: Fall 2017

Program Modification

Baking and Pastry: 1340

Degree Type: AAS

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Remove CUAR 100 from degree requirements and modify course sequencing.Remove OFAD 118 and replace with ABUS 257.

Justification:

CUAR 100 has been ineffective. Students are not finding this course to be a worthwhile use of their time. As a result, attendance and passing rates have been low. Rather than giving students a good foundation to build on in their college career, it is reducing retention rates. Introductory material on kitchen safety, tool usage, basic knife skills and cooking techniques can be shifted back to CUAR 125 and CUAR 145 where they were originally taught. Mathematical concepts from CUAR 100 will be introduced in MATH 107. Modifications in course sequencing will align with the proposed modification of the Culinary Arts certificate and eventual addition of new certificate programs. This realignment will allow students to complete certificates as they make progress towards an Associate Degree. The removal of OFAD 118 and addition of ABUS 257 is necessary because of course renumbering in that department. The course content will remain the same, so this is a change in identification only.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: Wayne Smith

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Culinary Arts: 1350

Degree Type: AAS

Modified Program Name: no change

Revision to program sheet: Yes ☑ No ☐

Description of modification:

Remove CUAR 100 from degree requirements and modify course sequencing. Add CUAR 220 as an elective course.

Justification:

CUAR 100 has been ineffective. Students are not finding this course to be a worthwhile use of their time. As a result, attendance and passing rates have been low. Rather than giving students a good foundation to build on in their college career, it is reducing retention rates. Introductory material on kitchen safety, tool usage, basic knife skills and cooking techniques can be shifted back to CUAR 125 and CUAR 145 where they were originally taught. Mathematical concepts from CUAR 100 will be introduced in MATH 107. Modifications in course sequencing will align with the proposed modification of the Culinary Arts certificate and addition of new certificate programs. This realignment will allow students to complete certificates as they make progress towards an Associate Degree. CUAR 220 is being added to the Culinary curriculum at the request of faculty in Kineisiology. The focus of the course is to introduce techniques for preparing food and modifying recipes to better reflect the current health science and nutritional guidelines. This course is a good elective choice for students that are considering working in assisted living or other health care related food service fields.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: Wayne Smith

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Baking and Pastry: 1140

Degree Type: Tech Cert (A-M)

Modified Program Name: Bakeshop Production

Modified Program Name: Bakeshop Production

Revision to program sheet: Yes ☑ No ☐

Description of modification:

The purpose of this modification is to bring a specific focus to the certificate and reduce the number of credits so that it can be completed in one semester. The certificate will be comprised of five (5) required fundamental courses. All elective courses will be eliminated from the certificate. The name of the certificate will change and the requirement of CUAR 100 will be dropped.

Justification:

Reducing the number of credits allows for completion in one semester. Focusing the certificate on bakeshop production skills brings clarity to both students and employers as to what level of expertise is being conferred and what types of employment positions a successful graduate is prepared for. The changes will also allow students to complete a certificate in one semester and is aligned with proposed changes to the AAS Baking and Pastry Arts degree so that associate degree students that have their education plans interrupted by unforeseen events are still able to demonstrate a level of completion. CUAR 100 is removed from the program sheet because that course is being deleted.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☐ No ☑

Discussions with affected departments:

NA

Proposed by: Wayne Smith

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Modification

Culinary Arts: 1351

Degree Type: Tech Cert (A-M)

Modified Program Name: Food Preparation

Modified Program Name: Food Prep

Revision to program sheet: Yes ☑ No ☐

Description of modification:

The purpose of this modification is to bring a specific focus to the certificate and reduce the number of credits so that it can be completed in one semester. The name of the certificate is changing to reflect the skills gained upon completion. The certificate will be comprised of five (5) required fundamental courses. All elective courses will be eliminated from the certificate. The requirement for CUAR 100 is being dropped since the course is being deleted.

Justification:

Reducing the number of credits allows for completion in one semester. Focusing the certificate on food preparation skills brings clarity to both students and employers as to what level of expertise is being conferred and what types of employment positions a successful graduate is prepared for. The changes will also allow students to complete a certificate in one semester and is aligned with proposed changes to the AAS Culinary Arts degree so that students that have their education plans interrupted by unforeseen events are still able to demonstrate a level of completion.

Revision to SLOs: Yes ☐ No ☑

Other changes: Yes ☑ No ☐

Not sure what this is referring to. There is no IV.F.3.c. in the manual…

Discussions with affected departments:

NA

Proposed by: Wayne Smith

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Department: WCCC-Transportation Services

Program Additions

Light Duty Automotive Technician Foundations I

Degree Type: Technical Cert

Abbreviated Name: Auto Tech Foundations I

Proposed by: Michael Carsten

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

Program Additions

Light Duty Automotive Technician Foundations II

Degree Type: Technical Cert

Abbreviated Name: Auto Tech Foundations II

Proposed by: Michael Carsten

Director of Teacher Education Signature:

Expected Implementation: Fall 2017

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## Course Modifications

TSTC 100

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | TSTC | |
| Course No.: | 100 | |
| Credit Hours: | 2 | |
| Course Title: | Introduction to Transportation Services | |
| Times for Credit: | 1 | 1 |

Co-requisites:

Current: TSTC 170, TSTC 171, TSTG 175, TSTG 120, MATH 107

Proposed: None

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☑

WCCC AAS, Transportation Services-Advanced Automotive Service Technician: 1341

WCCC AAS, Transportation Services-Diesel Tech: 1342

WCCC Tech Cert (N-Z), Transportation Services-Automotive Service Technician: 1312

WCCC Tech Cert (N-Z), Transportation Services-Light Duty Automotive Technician: 1346

WCCC Tech Cert (N-Z), Transportation Services-Diesel Mechanics: 1347

WCCC AAS, Transportation Services-Diesel Tech: 1342

Course is a requirement for a new program:

No

Justification:

Current co-requisites are not necessary for student sucess

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Proposed by: Eric Wright Expected Implemention: Fall 2017

## Course Modifications

TSTC 101

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | TSTC | |
| Course No.: | 101 | |
| Credit Hours: | 3 | |
| Course Title: | Vehicle Service and Inspection | |
| Times for Credit: | 1 | 1 |

Co-requisites:

Current: TSTC 130, TSTC 160, TSTG 135, CADT 101

Proposed: NONE

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☑

WCCC AAS, Transportation Services-Advanced Automotive Service Technician: 1341

WCCC AAS, Transportation Services-Diesel Tech: 1342

WCCC Tech Cert (N-Z), Transportation Services-Automotive Service Technician: 1312

WCCC Tech Cert (N-Z), Transportation Services-Light Duty Automotive Technician: 1346

WCCC Tech Cert (N-Z), Transportation Services-Diesel Mechanics: 1347

Course is a requirement for a new program:

No

Justification:

Current co-requisites are not necessary for student sucess

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Proposed by: Eric Wright Expected Implemention: Fall 2017

## Course Modifications

TSTC 130

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | TSTC | |
| Course No.: | 130 | |
| Credit Hours: | 2 | |
| Course Title: | Electrical I | |
| Times for Credit: | 1 | 1 |

Co-requisites:

Current: TSTC 160, TSTG 135, CADT 101

Proposed: None

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☑

WCCC AAS, Transportation Services-Advanced Automotive Service Technician: 1341

WCCC AAS, Transportation Services-Diesel Tech: 1342

WCCC Tech Cert (N-Z), Transportation Services-Automotive Service Technician: 1312

WCCC Tech Cert (N-Z), Transportation Services-Light Duty Automotive Technician: 1346

WCCC Tech Cert (N-Z), Transportation Services-Diesel Mechanics: 1347

Course is a requirement for a new program:

No

Justification:

Current co-requisites are not necessary for student success

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Proposed by: Eric Wright Expected Implemention: Fall 2017

## Course Modifications

TSTC 160

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | TSTC | |
| Course No.: | 160 | |
| Credit Hours: | 2 | |
| Course Title: | Electrical II | |
| Times for Credit: | 1 | 1 |

Co-requisites:

Current: TSTC 130, TSTC 101, CADT 101, TSTG 135

Proposed: None

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☑

WCCC AAS, Transportation Services-Advanced Automotive Service Technician: 1341

WCCC AAS, Transportation Services-Diesel Tech: 1342

WCCC Tech Cert (N-Z), Transportation Services-Automotive Service Technician: 1312

WCCC Tech Cert (N-Z), Transportation Services-Light Duty Automotive Technician: 1346

WCCC Tech Cert (N-Z), Transportation Services-Diesel Mechanics: 1347

Course is a requirement for a new program:

No

Justification:

Current co-requisites are not necessary for student success

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Proposed by: Eric Wright Expected Implemention: Fall 2017

## Course Modifications

TSTC 170

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | TSTC | |
| Course No.: | 170 | |
| Credit Hours: | 2 | |
| Course Title: | Chassis Fundamentals | |
| Times for Credit: | 1 | 1 |

Co-requisites:

Current: TSTC 100, TSTC 171, TSTG 175, TSTG 120, and Math 107

Proposed: None

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☑

WCCC AAS, Transportation Services-Advanced Automotive Service Technician: 1341

WCCC AAS, Transportation Services-Diesel Tech: 1342

WCCC Tech Cert (N-Z), Transportation Services-Automotive Service Technician: 1312

WCCC Tech Cert (N-Z), Transportation Services-Light Duty Automotive Technician: 1346

WCCC Tech Cert (N-Z), Transportation Services-Diesel Mechanics: 1347

Course is a requirement for a new program:

No

Justification:

Current co-requisites are not necessary for student success

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Proposed by: Eric Wright Expected Implemention: Fall 2017

## Course Modifications

TSTC 171

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | TSTC | |
| Course No.: | 171 | |
| Credit Hours: | 2 | |
| Course Title: | Brakes I | |
| Times for Credit: | 1 | 1 |

Prerequisites:

Current: TSTC 100, TSTC 170, TSTC 175, TSTG 120, Math 107

Proposed: None

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☑

WCCC AAS, Transportation Services-Advanced Automotive Service Technician: 1341

WCCC AAS, Transportation Services-Diesel Tech: 1342

WCCC Tech Cert (N-Z), Transportation Services-Automotive Service Technician: 1312

WCCC Tech Cert (N-Z), Transportation Services-Light Duty Automotive Technician: 1346

WCCC Tech Cert (N-Z), Transportation Services-Diesel Mechanics: 1347

Course is a requirement for a new program:

No

Justification:

Current co-requisites are not necessary for student success

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Proposed by: Eric Wright Expected Implemention: Fall 2017

## Course Modifications

TSTG 120

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | TSTG | |
| Course No.: | 120 | |
| Credit Hours: | 2 | |
| Course Title: | Industrial Safety Practices | |
| Times for Credit: | 1 | 1 |

Prerequisites:

Current: TSTC 100, TSTC 130 and TSTC160

Proposed: None

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☑

WCCC AAS, Transportation Services-Advanced Automotive Service Technician: 1341

WCCC AAS, Transportation Services-Diesel Tech: 1342

WCCC Tech Cert (N-Z), Transportation Services-Automotive Service Technician: 1312

WCCC Tech Cert (N-Z), Transportation Services-Light Duty Automotive Technician: 1346

WCCC Tech Cert (N-Z), Transportation Services-Diesel Mechanics: 1347

Course is a requirement for a new program:

No

Justification:

Prerequsites are not required for this course.

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Proposed by: Eric Wright Expected Implemention: Fall 2017

## Course Modifications

TSTG 175

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | TSTG | |
| Course No.: | 175 | |
| Credit Hours: | 2 | |
| Course Title: | Brake II | |
| Times for Credit: | 1 | 1 |

Co-requisites:

Current: TSTC 100, TSTC170, TSTC 171, TSTG 120, Math 107

Proposed: None

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☑

WCCC AAS, Transportation Services-Advanced Automotive Service Technician: 1341

WCCC AAS, Transportation Services-Diesel Tech: 1342

WCCC Tech Cert (N-Z), Transportation Services-Automotive Service Technician: 1312

WCCC Tech Cert (N-Z), Transportation Services-Light Duty Automotive Technician: 1346

WCCC Tech Cert (N-Z), Transportation Services-Diesel Mechanics: 1347

Course is a requirement for a new program:

No

Justification:

Current co-requisites are not necessary for student success

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Proposed by: Eric Wright Expected Implemention: Fall 2017

## Course Modifications

TSTG 195

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | TSTG | |
| Course No.: | 195 | |
| Credit Hours: | 4 | |
| Course Title: | Climate Control | |
| Times for Credit: | 1 | 1 |

Co-requisites:

Current: TSTC 100, TSTC130, and TSTC 160

Proposed: None

Requirement or listed choice for any program of study: Yes ☑ No ☐

Change affects program sheet or grad requirements: Yes ☐ No ☑

WCCC AAS, Transportation Services-Advanced Automotive Service Technician: 1341

WCCC AAS, Transportation Services-Diesel Tech: 1342

WCCC Tech Cert (N-Z), Transportation Services-Automotive Service Technician: 1312

WCCC Tech Cert (N-Z), Transportation Services-Light Duty Automotive Technician: 1346

WCCC Tech Cert (N-Z), Transportation Services-Diesel Mechanics: 1347

Course is a requirement for a new program:

No

Justification:

Current co-requisites are not necessary for student success

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Proposed by: Eric Wright Expected Implemention: Fall 2017

Department: WCCC-University Studies

Course Additions

UNIV 103 Credit Hours 1

Course Title: Community College Success II

Abbreviated Title: Comm College Success II

Contact hours per week: Lecture 1 Lab Field Studio Other

Type of Instructional Activity: Lecture

Academic engagement minutes: 750 Student preparation minutes: 1500

Intended semesters for offering this course: Fall ☑ J-Term ☐ Spring ☑ Summer ☐

Intended semester to offer course 1st time: Fall 2017

Number of times course may be taken for credit: 1

Essential Learning Course: Yes ☐ No ☑

Prerequisites: Yes ☑ No ☐

UNIV 102

Prerequisite for other course(s): Yes ☐ No ☑

Co-requisites: Yes ☐ No ☑

Requirement or listed choice for any program of study: Yes ☐ No ☑

Overlapping content with present courses offered on campus: Yes ☐ No ☑

Additional faculty FTE required: Yes ☐ No ☑

Additional equipment required: Yes ☐ No ☑

Additional lab facilities required: Yes ☐ No ☑

Course description for catalog:

Continued support strategies for students in the second semester of college.

Justification:

Continued support startegies for students in the first year of college, second semester.

Topical course outline:

1. Learn and Apply Technology Skills
a. Use essential tools in the college's network and portal.
b. Use essential tools in personal computing to successful complete and submit assignments.
c. Employ information literacy skills and basic research techniques.
2. Education/Career Planning
a. Personal, educational, and career goals
b. Purposeful action to attain goals
c. Career planning resources
d. Job search strategies and skills
3. Effective communication
a. Oral strategies
4. Personal resource management
a. Time management
b. Materials management
c. Personal/campus/community resources
d. Appropriate student behavior

Course Additions

e. Learning styles
f. Wellness
5. Critical/Creative Thinking and Integration
a. Multiple strategies
b. Decision making strategies
c. Community involvement and classroom participation
7. Leadership Development
a. Investigation/development of personal codes of ethics

Student Learning Outcomes:

1. Demonstrate and apply technology skills
2. Develop a plan to achieve personal, educational, and career goals.
3. Illustrate how to communicate effectively.
4. Demonstrate enhanced personal management.
5. Analyze and apply appropriate critical and creative thinking in personal and professional activities.

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Proposed by: Patton Massengill Expected Implementation: Fall 2017

## Course Modifications

UNIV 102

Intended semester to offer modified course for the 1st time: Fall 2017

| | Current | Proposed |
|---|---|---|
| Course Prefix: | UNIV | |
| Course No.: | 102 | |
| Credit Hours: | 3 | 2 |
| Course Title: | Community College Success | |
| | | 2 |
| Engage Min.: | 2250 | 1500 |
| Prep Min.: | 4500 | 3000 |
| Times for Credit: | 1 | 1 |

Requirement or listed choice for any program of study: Yes ☐ No ☑

Change affects program sheet or grad requirements: Yes ☐ No ☑

Justification:

The University 102 course will change to 2 credit hours because a studio course will follow in the next semester for further support purposes.

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Proposed by: Patton Massengill Expected Implemention: Fall 2017