Curriculum Committee
Butte College
3536 Butte Campus Drive
Oroville, CA 95965

TO: **Curriculum Committee Members**
FROM: **Donna Davis, Chairperson**
SUBJECT: **Curriculum Committee Meeting**

Curriculum Committee meeting is Monday, November 18, 2024, 3:00-5:00 p.m. (Board Room SAS 360)

AGENDA

Items not on the consent agenda may be approved in one meeting with a supermajority vote (over 2/3 of participating members vote yes).

1. **Agenda Adoption -** *1 minute*

2. **Minutes Approval -** *1 minute*
   A. November 4, 2024

3. **General Announcements -** *3 minutes*
   Curriculum Committee members are invited to make announcements to the committee

4. **Public Comments -** *3 minutes*
   Members of the public are invited to comment on items not on the agenda

5. **Consent Agenda**

6. **Action Item(s) –** *60 minutes*
   A. Course Modification(s)
   1. **ECON 25 - Introduction to Economics**
      Catalog Description: *This course provides a comprehensive analysis of the relationship between societal institutions and the critical issues of poverty and unemployment. Students will explore how economic theories and terms clarify the socio-economic challenges we face today. The curriculum examines the trade-offs and social values that influence both public and private policies, assessing their effectiveness in addressing these challenges. Through critical analysis, students will evaluate the performance of government, markets, and institutions, and their decisions regarding current economic problems such as unemployment, inflation, poverty, and environmental pollution. This course aims to deepen understanding of the complexities involved in organizing society to provide essential goods and services while highlighting the impact of economic structures on social outcomes.*
      Major Modification: Change in GE (Cal-GETC Area 4), catalog description, objectives, unit titles, methods of instruction, methods of evaluation, examples of assignments, and materials of instruction
      Rationale: *Cal-GETC approval*
      Effective Term: Fall 2025

   2. **EDUC 302 - High School Equivalency Exam Preparation**
      Catalog Description: *This course focuses on developing skills needed to prepare for the General Educational Development Tests (GED) and High School Equivalency Test (HiSET) for high school equivalency standards. The course includes background on both High School Equivalency (HSE) Testing*

Programs, describes the four tests and the broad areas covered by the GED and the five tests covered by the HiSET, evaluates student readiness, and prepares students for taking the tests. Emphasis will be placed on strengthening reading skills in literary, informational, social studies, and science content; writing clarity; math problem-solving, reasoning skills, and calculator skills. Unlimited repeats. Satisfactory/Unsatisfactory only. Open Entry/Open Exit.
Major Modification: Change in repeatability (from "repeat 3 times" to "unlimited repeats"), catalog description, methods of instruction, methods of evaluation, and materials of instruction
Rationale: *Curriculum review*
Effective Term: Fall 2025

3. **EMS 111 - Emergency Medical Technician**
Catalog Description: *This course will instruct students to the level of Emergency Medical Technician (EMT). This course complies with the required course content for the state of California and the curriculum consists of the required U.S. Department of Transportation EMT-Basic National Standard Curriculum. The course includes all skills necessary for the individual to provide emergency medical care at a basic life support level with an ambulance service or other specialized service. Upon successful completion the student will be eligible to take the National Registry Exam required for certification as an EMT in the state of California. Graded only.*
Minor Modification: Change in ped cap (from 24 to 30), unit titles, and materials of instruction
Rationale: *Ped cap increase*
Effective Term: Spring 2025

4. **ENGR 2 - Programming and Problem-Solving in MATLAB**
Catalog Description: *This course utilizes the MATLAB environment and commercial electronic spreadsheets to provide students with a working knowledge of computer-based problem-solving methods relevant to science and engineering. It introduces the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Examples and assignments in the course are drawn from practical applications in engineering, physics, and mathematics. (C-ID ENGR 220).*
Major Modification: Change in prerequisite (from “MATH 30” to “MATH 30 or MATH 30s”)
Rationale: *Add new MATH 30s course*
Effective Term: Fall 2025

5. **ENGR 3 - Plane Surveying I**
Catalog Description: *The course applies theory and principles of plane surveying: office computations and design; operation of surveying field equipment; and production of engineering plans/maps. Topics include distances, angles, and directions; differential leveling; traversing; property/boundary surveys; topographic surveys/mapping; volume/earthwork; horizontal and vertical curves; land description techniques; and Global Positioning Systems (GPS). Extensive field work using tapes, levels, transits, theodolites, total stations, and GPS. (C-ID ENGR 180).*
Major Modification: Change in prerequisite (from "MATH 20 or high school trigonometry" to "MATH 20, MATH 28 or MATH 28s, or high school trigonometry")
Rationale: *Add MATH 28 and MATH 28s courses*
Effective Term: Fall 2025

6. **MATH 31 - Analytic Geometry and Calculus II**
Catalog Description: *This course is the second of a series in differential and integral calculus of a single variable. Topics will include the concept, techniques and applications of integration, infinite sequences and series, as well as polar and parametric equations. Intended for Science, Technology, Engineering & Math Majors. (C-ID MATH 220).*
Major Modification: Change in prerequisite (from “MATH 30” to “MATH 30 or MATH 30s”)
Rationale: *Add new MATH 30s course*
Effective Term: Fall 2025

7. **MATH 42 - Linear Algebra**
   Catalog Description: *This course develops the techniques and theory needed to solve and classify systems of linear equations. Solution techniques include row operations, Gaussian elimination, and matrix algebra. Investigates the properties of vectors in two and three dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as inner products, norms, orthogonality, eigenvalues, eigenspaces, and linear transformations. Selected applications of linear algebra are included. (C-ID MATH 250).*
   Major Modification: Change in prerequisite (from "MATH 30" to "MATH 30 or MATH 30s")
   Rationale: *Add new MATH 30s course*
   Effective Term: Fall 2025

8. **PHYS 21 - College Physics I**
   Catalog Description: *This course is intended for students not majoring in physics or engineering but needing a one-year course in physics as a requirement for their major program. The course is part of a two-semester sequence whose contents may be offered in other sequences or combinations at articulated institutions. Topics include kinematics, dynamics, work and energy, momentum, fluids and simple harmonic motion. Graded only. (C-ID PHYS 105/PHYS 100S).*
   Major Modification: Change in prerequisite (from "MATH 20 or high school trigonometry" to "MATH 20, MATH 28, MATH 28s or high school trigonometry"), and materials of instruction
   Rationale: *Add new MATH 28 and MATH 28s courses*
   Effective Term: Fall 2025

9. **PHYS 41 - Physics for Scientists and Engineers I**
   Catalog Description: *This course, intended for students majoring in physical sciences and engineering, is part of a three-semester course whose contents may be offered in other sequences or combinations. Core topics include an introduction to kinematics, dynamics, work and energy, momentum, gravitation and simple harmonic motion. Graded only. (C-ID PHYS 205/PHYS 100S).*
   Major Modification: Change in prerequisite (from "MATH 30" to "MATH 30 or MATH 30s")
   Rationale: *Add new MATH 30s course*
   Effective Term: Fall 2025

10. **WLD 20 - Beginning Welding**
    Catalog Description: *This course includes oxyacetylene welding (OAW), oxyacetylene cutting (OFC-A) and shielded metal arc welding (SMAW) processes, in the flat and horizontal positions on various joint details. It will also include safety procedures, electrode identification, joint fit-up and alignment, base metal preparation, weld quality, beads and fillet welds, with focus on theory and practice. All welds will meet the American Welding Society (AWS) qualification standards.*
    Minor Modification: Change in ped cap (from 25 to 23), and materials of instruction
    Rationale: *Decrease ped cap to the number of available welding stations and industry standards*
    Effective Term: Spring 2025

D. Course Deletion(s)

1. **AUT 32 – Smog Inspection**
   Program Status: AS in Diesel Technology, and CA in Diesel Technology
   Rationale: *Course no longer offered*
   Effective Term: Fall 2025

E. Program Modification(s)

1. **AS Degree in Automotive Technology (48 Units)**
   Catalog Description: *The Butte College Automotive Technology program is an ASE Education Foundation certified school and is designed to prepare students for employment as automotive technicians in dealerships, government, fleet, and independent service shops. All automotive classes are offered at the Skyway Center in Chico. The Skyway Center is a modern facility and completely outfitted with ASE*

required training aids and tooling needed to prepare the student for a successful automotive technician career. The goal of the department is to train highly-skilled entry-level technicians with work habits that will make them successful in their career.
Modification: Change in program description, and Admission to the Program, and program pathway
Rationale: *Catalog update*
Effective Term: Fall 2025

2. **AS Degree in Automotive Technology - Honda, Professional Automotive Career Training (PACT) (53.50 Units)**
Catalog Description: *The Associate of Science Degree in Automotive Technology - Honda, Professional Automotive Career Training (PACT) prepares students to enter the workforce as entry level Honda and Acura technicians in dealerships nationwide.*
Modification: Change in program description, Admission to the Program, and program pathway
Rationale: *Catalog update*
Effective Term: Fall 2025

3. **AS Degree in Diesel Technology (56 Units)**
Catalog Description: *The Associate of Science Degree in Diesel Technology has been developed to provide the light and medium duty diesel industry with well-prepared, entry-level technicians. Our rural location and its heavy agricultural influence necessitate the need for technicians who are trained in the area of diesel-powered trucks and equipment. This program will prepare the student to diagnose the mechanical, electrical, and hydraulic systems found on over the road diesel powered vehicles and equipment.*
Modification: Change in units (from 59 to 56), required core (delete AUT 32), program description, Admission to the Program, Program Learning Outcomes (PLOs), and program pathway
Rationale: *Catalog update*
Effective Term: Fall 2025

4. **Certificate of Achievement in Diesel Technology (56 Units)**
Catalog Description: *See AS Degree in Diesel Technology.*
Modification: Change in units (from 59 to 56), and required core (delete AUT 32)
Rationale: *Catalog update*
Effective Term: Fall 2025

5. **AS Degree in Health Occupations Preparation (33 Units)**
Catalog Description: *An Associate in Science in Health Occupations Preparation degree readies students for programs such as licensed vocational nursing, registered nursing, and respiratory therapy at Butte College. This degree also prepares students to transfer to healthcare related programs at neighboring community colleges and/or four-year institutions to continue studies in their area of interest. Students should consult with a counselor for more information on varied requirements for specific pathways.*
Modification: Change in change in units (from 24-38 to 33), required core (add BIOL 15, FN 2, PSY 1; delete ALH 6, ANTH 4H, CMST 2H, CMST 10, ENGL 2, ENGL 3, and FN 50), and pathway options (from "four pathways LVN, LVN-ADN, RN, RT" to "one pathway")
Rationale: *Technical programming correction*
Effective Term: Fall 2025

6. **AS Degree in Respiratory Care (57 Units)**
Catalog Description: *The Respiratory Care program is designed to prepare students to become licensed Respiratory Care Practitioners in the state of California. In addition, the program prepares the successful*

graduate to participate in the Registered Respiratory Therapist (RRT) examinations administered by the National Board for Respiratory Care (NBRC).
Modification: Change in units (from 54 to 57), required core (add ALH 6), Admission to the Program, and program pathway
Rationale: *Add requirement for completion to program core*
Effective Term: Fall 2025

7. **Certificate of Achievement in Firefighter Academy I and II (26.50 Units)**
Catalog Description: *The Firefighter I and II Academy is a special admission academy that is offered twice each year (Fall and Spring) as a 19-week program, 8 hours daily. Accredited by the California State Fire Marshal (CSFM) and the State Board of Fire Services as an Accredited Regional Fire Academy, the Butte College Firefighter I and II Academy is considered to be one of the premier fire academies in the country. Our Academy graduates have secured fire service positions in agencies from coast to coast. The majority of fire agencies in California require both a CSFM Firefighter I certificate and an EMT- Basic certificate to qualify for a position as a firefighter. The Butte College Firefighter I Academy far exceeds these requirements. The Firefighter II component will prepare the student to obtain the knowledge, skills, and abilities to meet the California State Fire Marshal IFSAC/PROBOARD certification for Firefighter II plus enhancing their ability to secure employment with a fire agency. Physical conditioning is an important concern in the fire service. During the Academy, cadets receive more than 100 hours of combined physical fitness and agility course training by certified physical fitness instructors, Graduates will not only be in good physical condition, but will also be prepared for the difficult, varied and competitive fire service physical agility entry-level testing.*
Modification: Change in program description, Admission to the Program, and Program Learning Outcomes (PLOs)
Rationale: *Catalog update*
Effective Term: Fall 2025

7. Discussion Item(s)

A. Curriculum Committee Bylaws – Donna Davis
- Academic Senate Recommendations

B. Future Meetings
- December 2, 2024
- December 16, 2024

8. Adjournment