

EL CAMINO COLLEGE
MINUTES OF THE COLLEGE CURRICULUM COMMITTEE
February 9, 2016

CALL TO ORDER

Meeting called to order at 2:35 p.m. by Chair Carr.

Members:

Present: S. Bartiromo, W. Brownlee, T. Bui, A. Carr, M. Chaban, A. Cornelio, E. French-Preston,
A. Hockman, L. Houske, K. Iino, V. Nemie, S. Rodriguez, A. Sharp, J. Shankweiler

Absent: S. Bosfield

Ex-Officio Members:

Present: Q. Chapman, L. Clowers, P. McDermott, P. Pelayo

Absent: M. Lipe, A. Osanyinpeju, L. Suekawa, L. Young

Guests: W. Cox, R. Davis, C. Fitzsimons, L. Linka, D. Maloney, P. Sorunke

APPROVAL OF MINUTES

The committee approved the minutes of the College Curriculum Committee of December 1, 2015.

CURRICULUM REVIEW

A. Full Program Review

The committee reviewed the following program proposals, which are ready for final action:

1. Communication Studies AA-T Degree
2. Music AA-T Degree

The committee reviewed the following program inactivation proposals, which are ready for final action:

1. Digital Arts: Web Design Certificate of Achievement
2. Entertainment Lighting Technology Certificate of Achievement

B. Full Course Review

The committee reviewed the following courses, which are ready for final action:

1. Architecture 158 (ARCH 158)
2. Art 142 (ART 142)
3. Automotive Technology 21 (ATEC 21)
4. Automotive Technology 22A (ATEC 22A)
5. Automotive Technology 22B (ATEC 22B)
6. Automotive Technology 25 (ATEC 25)
7. Automotive Technology 43 (ATEC 43)
8. Automotive Technology 45 (ATEC 45)
9. Business 36 (BUS 36)
10. Dance 265 (DANC 265)

11. Fire and Emergency Technology 3 (FTEC 3)
12. Fire and Emergency Technology 11 (FTEC 11)
13. Fire and Emergency Technology 19 (FTEC 19)
14. Law 11 (LAW 11)
15. Law 15 (LAW 15)
16. Music 112H (MUSI 112H)
17. Music 190A (MUSI 190A)
18. Music 190B (MUSI 190B)
19. Music 190C (MUSI 190C)
20. Music 190D (MUSI 190D)
21. Music 290 (MUSI 290)
22. Theatre 104 (THEA 104)

C. Standard Review/Consent Agenda Proposals

The committee reviewed the following course inactivation proposal, which is ready for final action:

1. Music 190abcd (MUSI 190abcd)

CURRICULUM DISCUSSION

A. Full Program Review

Fine Arts Division

Music A.A. Degree was tabled.

It was moved by S. Bartiromo, seconded by K. Iino, that the committee approve program proposals for the Fine Arts Division. Motion carried.

B. Full Course Review

Business Division

Computer Information Systems 118 was tabled for further discussion.

Law 11 – Introduction to Legal Research

Edit *Course Summary* in the Course Checklist: Replace beginning sentence “This class will give the paralegal a general introduction...” with “This course will give the paralegal a general introduction...”

It was moved by W. Brownlee, seconded by V. Nemie, that the committee approve course proposals for the Business Division. Motion carried.

Fine Arts Division

Art 142 – Digital Photography Fundamentals

Edit *Conditions of Enrollment* in the Course Checklist: Add Photography 150 as a recommended preparation.

Dance 265 – Intermediate African Dance

Edit *Outline of Subject Matter* in the Course Checklist: Delete action verbs in major topic #2.

It was moved by K. Iino, seconded by A. Hockman, that the committee approve course proposals for the Fine Arts Division. Motion carried.

Health Sciences and Athletics Division

Physical Education 120abc was tabled for further discussion.

Industry and Technology Division

Fire and Emergency Technology 2 and 9 were tabled for further discussion.

Automotive Technology 21 – Introduction to Engine Performance and Tune-Up

Edit *Course Summary* in the Course Checklist: Delete the words “and Tune-Up” in the descriptive title.

Automotive Technology 22B – Advanced Engine Performance, Electrical and Fuel Systems

Edit *Course Summary* and *Evaluation Methods and Assignments* in the Course Checklist: Replace “OBD” acronym with “On Board Diagnostics” in the catalog description and college-level critical thinking assignment #2.

Automotive Technology 43 – Introduction to Engine Repair

Edit *Outline of Subject Matter* in the Course Checklist: Topics XI and XII need to be placed in outline format.

It was moved by E. French-Preston, seconded by W. Brownlee, that the committee approve course proposals for the Industry and Technology Division. Motion carried.

C. Standard Review/Consent Agenda Proposals

It was moved by S. Bartiromo, seconded by K. Iino, that the committee approve standard review/consent agenda proposal to inactivate Music 190abcd. Motion carried.

VICE PRESIDENT’S REPORT

Vice President Academic Affairs – Dr. Shankweiler

Dr. Shankweiler thanked the committee for the number of proposals coming through for review.

CHAIR’S REPORT

CCC Chair – A. Carr

The three-year term for 7 of the 14 members serving on the College Curriculum Committee will expire at the end of the spring term. The Chair will send an email to the division deans for a

faculty appointment. Current members may support the committee for another term. A chair pro tempore is needed to preside over the committee in the event the Chair is not available.

CURRICULUM ADVISOR REPORT

Curriculum Advisor – Q. Chapman – No report

ADJOURNMENT

Chair Carr called a motion to adjourn the meeting. M. Chaban moved, T. Bui seconded, and the motion carried. The meeting adjourned at 3:40 p.m.

**EL CAMINO COLLEGE
COLLEGE CURRICULUM COMMITTEE
February 9, 2016
Approved Curriculum Changes for 2017-2018**

BUSINESS

NEW COURSE

1. Business 36 – New Venture Creation

Units: 2.0 Lecture: 2.0 Lab: 0 Faculty Load: 13.33%

Recommended Preparation: English 82 and English B

Grading Method: Letter

Credit Status: Associate Degree Credit

Proposed CSU Transfer

In this course, students will learn the strategies and tactics necessary to compose a comprehensive business plan. Student will use their unique product or service concept and develop all components of a successful plan including legal form of ownership, sales forecasts, operational plan, marketing plan, financial analysis and forecasts, and organizational structure.

Note: Letter grade or pass/no pass option.

CTE TWO-YEAR COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT (Recommended Preparation)

1. Law 15 – Civil and Criminal Evidence

Current Status/Proposed Changes

Prerequisite: Law 11 with a minimum grade of C

Recommended Preparation: Law 16

Recommendation

Prerequisite: Law 11 with a minimum grade of C

Recommended Preparation: Law 16

CTE TWO-YEAR COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT (Recommended Preparation), CATALOG DESCRIPTION

1. Law 11 – Introduction to Legal Research

Current Status/Proposed Changes

Prerequisite: eligibility for English 1A
Recommended Preparation: Law 4 or Law 5

This course will give the paralegal a general introduction into the basic legal research tools, including legal citation, legal analysis, and writing of legal memorandum and legal documents. The ~~class~~ course includes a component of training in online computer research.

Recommendation

Prerequisite: eligibility for English 1A
Recommended Preparation: Law 4 or Law 5

This course will give the paralegal a general introduction into the basic legal research tools, including legal citation, legal analysis, and writing of legal memorandum and legal documents. The course includes a component of training in online computer research.

FINE ARTS

NEW COURSES

1. Music 112H – Honors Music Cultures of the World
Units: 3.0 Lecture: 3.0 Lab: 0 Faculty Load: 20.00%
Recommended Preparation: eligibility for English 1A
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer
Proposed UC Transfer
El Camino College AA/AS General Education - Area 3
Proposed CSU General Education - Area C1
Proposed IGETC General Education - Area 3A

This honors course, intended for students in the Honors Transfer Program, focuses on the styles, techniques, performers, and historical evolution of Western and non-Western music. Emphasis is placed on African, Asian, Latin American and Polynesian music, and the relationship between the music and culture. In addition, American ethnic music and jazz will be presented. This course is enriched through extensive, rigorous reading, writing, and research assignments.

Note: Students may take either Music 112 or Music 112H. Duplicate credit will not be awarded for Music 112 and Music 112H.

2. Music 190A – Applied Music I
Units: 1.0 Lecture: 0 Lab: 4 hours per week to be arranged
Faculty Load: 20.00%
Corequisite: Music 101
Enrollment Limitation: Audition
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer
Proposed UC Transfer

This course provides an introduction to music performance for students serious about pursuing music. Students will develop their technique and skills in music performance through individual weekly lessons, class performances, and structured practice on campus. Attendance is required at selected musical events offered by the El Camino College Center for the Arts and in the community.

3. Music 190B – Applied Music II
Units: 1.0 Lecture: 0 Lab: 4 hours per week to be arranged
Faculty Load: 20.00%
Prerequisite: Music 190A and Music 101 with a minimum grade of C in prerequisite
Corequisite: Music 103A
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer
Proposed UC Transfer

This course for the music major is a recital workshop, which includes an individual weekly lesson. Emphasis is placed on developing technique and musicianship through class performances and structured practice on campus. Attendance is required at selected musical events offered by the El Camino College Center for the Arts and in the community.

4. Music 190C – Applied Music III
Units: 1.0 Lecture: 0 Lab: 4 hours per week to be arranged
Faculty Load: 20.00%
Prerequisite: Music 190B and Music 103A with a minimum grade of C in prerequisite
Corequisite: Music 103B
Grading Method: Letter
Credit Status: Associate Degree Credit
CSU Transfer
Proposed UC Transfer

This course for the continuing music major is a recital workshop emphasizing performance techniques and the development of intermediate level repertoire. Emphasis is placed on developing musicianship through class performances, structured practice on campus, and individual lessons. Attendance is required at selected musical events offered by the El Camino College Center for the Arts and in the community.

5. Music 190D – Applied Music IV

Units: 1.0 Lecture: 0 Lab: 4 hours per week to be arranged

Faculty Load: 20.00%

Prerequisite: Music 190C and Music 103B with a minimum grade of C in prerequisite

Corequisite: Music 203

Recommended Preparation: Music 215A or Music 215B

Grading Method: Letter

Credit Status: Associate Degree Credit

CSU Transfer

Proposed UC Transfer

This course for the continuing music major is a recital workshop emphasizing performance techniques, historical performance practices, and the development of advanced level repertoire. Students will develop musicianship through class performances, structured practice on campus, and individual lessons. Attendance is required at selected musical events offered by the El Camino College Center for the Arts and in the community.

COURSE REVIEW

1. Dance 265 – Intermediate African Dance

COURSE REVIEW; DISTANCE EDUCATION REVIEW, CHANGE IN COURSE DISCIPLINE

1. Theatre 104 – Dramatic Literature

Current Status/Proposed Changes

Course Discipline: Drama/Theater Arts or Theater Arts

Recommendation

Course Discipline: Drama/Theater Arts or Theater Arts

COURSE REVIEW; CHANGES IN DESCRIPTIVE TITLE, CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite), CATALOG DESCRIPTION

Current Status/Proposed Changes

1. Music 290 – ~~Intermediate Applied Music/Individual Lessons~~ Advanced Applied Music

Prerequisite: ~~four semesters of Music 190abcd~~ Music 190D and Music 203 with a minimum grade of C in prerequisite

Corequisite: ~~Large ensemble course at El Camino College: Music 151abcd or 152abcd or 253abcd or 265abcd or 266abcd or 267abcd or 268abcd~~
Music 215A or Music 215B

~~This course for the continuing, advanced applied music student graduating music major is a recital workshop to enhance audition skills and build repertoire. Instruction includes an individual weekly lesson, emphasizing audition techniques and strategies, and the refinement of advanced level repertoire. The student is required to practice on campus, to enroll and participate in a large performing ensemble at El Camino College, and to attend selected musical events. Students will develop musicianship through class performances, structured practice on campus, and individual lessons. Attendance is required at selected music events offered by the El Camino College Center for the Arts and in the community. Selected students may perform in a public recital and occasional master classes.~~

~~This course for the continuing, advanced applied music student is a recital workshop to enhance audition skills and build repertoire. Instruction includes an individual weekly lesson. The student is required to practice on campus, to enroll and participate in a large performing ensemble at El Camino College, and to attend selected musical events offered by the El Camino College Center for the Arts and in the community. Selected students may perform in a public recital and occasional master classes.~~

Recommendation

Music 290 – Advanced Applied Music

Prerequisite: Music 190D and Music 203 with a minimum grade of C in prerequisite
Corequisite: Music 215A or Music 215B

This course for the graduating music major is a recital workshop emphasizing audition techniques and strategies, and the refinement of advanced level repertoire. Students will develop musicianship through class performances, structured practice on campus, and individual lessons. Attendance is required at selected music events offered by the El Camino College Center for the Arts and in the community.

CTE TWO-YEAR COURSE REVIEW; CHANGES IN DESCRIPTIVE TITLE, CONDITIONS OF ENROLLMENT (Prerequisite, Recommended Preparation), COURSE DISCIPLINE, CATALOG DESCRIPTION

Current Status/Proposed Changes

1. Art 142 – Digital Photography Fundamentals
Course Disciplines: Multimedia or Photography

~~Prerequisite: Art 141~~

Recommended Preparation: Art 150 or Photography 150 and Photography 101

~~This course is an introduction to the processes, principles, and tools of digital photography. intermediate level course in the use of digital equipment and software to create original photo-based artwork. Emphasis is placed on improving technique and developing the aesthetic and conceptual possibilities of the image. Topics include the development of technical and aesthetic skills, elements of design and composition, overview of digital camera technology, digital photography software, image manipulation, and contemporary trends in photography. working with digital cameras, various methods of image input and output, organizing and tracking photo files, comparison of file formats, improving and manipulating images, and preparing image files for use in print, web, and multimedia. Digital images are discussed within the broader context of an art historical tradition.~~

Recommendation

Art 142 – Digital Photography Fundamentals
Course Disciplines: Multimedia or Photography

Recommended Preparation: Art 150 or Photography 150 and Photography 101

This course is an introduction to the processes, principles, and tools of digital photography. Topics include the development of technical and aesthetic skills, elements of design and composition, overview of digital camera technology, digital photography software, image manipulation, and contemporary trends in photography.

CHANGE IN MAJOR; COURSE REQUIREMENTS

1. Music AA-T
Current Status/Proposed Changes

Major Requirements
Required Core: 23 units

Units

MUSI 101	Music Fundamentals	3
MUSI 103A	Theory and Musicianship I	4
MUSI 103B	Theory and Musicianship II	4
MUSI 203	Theory and Musicianship III	4
Applied Music: 4 units		
MUSI 190abcd	Applied Music/Individual Lessons	4
<u>MUSI 190A</u>	<u>Applied Music I</u>	<u>1</u>
<u>MUSI 190B</u>	<u>Applied Music II</u>	<u>1</u>
<u>MUSI 190C</u>	<u>Applied Music III</u>	<u>1</u>
<u>MUSI 190D</u>	<u>Applied Music IV</u>	<u>1</u>
Large Ensemble: 4 units		
MUSI 151abcd	Mixed Chorus	1
MUSI 152abcd	Concert Choir	1
MUSI 253abcd*	Chorale	2
MUSI 257abcd	Women's Chorus	1
MUSI 265abcd	Symphonic Band	1
MUSI 266abcd	Studio Jazz Band	1
MUSI 267abcd	Concert Jazz Band	1
MUSI 268abcd	Symphony Orchestra	1

Total Units: 23

*Note: maximum two semesters of credit for MUSI 253abcd

Recommendation

Major Requirements

Units

Required Core: 23 units

MUSI 101	Music Fundamentals	3
MUSI 103A	Theory and Musicianship I	4
MUSI 103B	Theory and Musicianship II	4
MUSI 203	Theory and Musicianship III	4

Applied Music: 4 units

MUSI 190A	Applied Music I	1
MUSI 190B	Applied Music II	1
MUSI 190C	Applied Music III	1
MUSI 190D	Applied Music IV	1

Large Ensemble: 4 units

MUSI 151abcd	Mixed Chorus	1
MUSI 152abcd	Concert Choir	1
MUSI 253abcd*	Chorale	2
MUSI 257abcd	Women's Chorus	1
MUSI 265abcd	Symphonic Band	1
MUSI 266abcd	Studio Jazz Band	1
MUSI 267abcd	Concert Jazz Band	1
MUSI 268abcd	Symphony Orchestra	1

Total Units: 23

*Note: maximum two semesters of credit for MUSI 253abcd

CHANGE IN MAJOR; PROGRAM DESCRIPTION, COURSE REQUIREMENTS

1. Communication Studies AA-T Degree

Current Status/Proposed Changes

The degree provides students with a thorough foundation in the theory and practice of communication studies. This is achieved through a variety of courses that serve to develop personal, business, and professional communication skills in individual, interpersonal, and group situations, along with skills in research, organization, critical thinking, argumentation, and forensics. Students will demonstrate their proficiency through performance, class projects, research papers, objective tests, critiques, and competitions. Program assessment is measured by completion, evaluation of student learning outcomes, transferability, competitions at the local, state, and national levels, and periodic program review.

The Associate in Arts for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

- ~~1) a minimum of 18 semester units in the major with a grade of C or better.~~
- ~~2) 60 required semester units of CSU transferable coursework with a minimum GPA of 2.0~~
- ~~3) the CSU General Education Breadth requirements or Intersegmental General Education Transfer Curriculum (IGETC)~~

- 1) Completion of 60 semester units that are eligible for transfer to the California State University.
- 2) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education - Breadth requirements.
- 3) A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.

- 4) Obtainment of a minimum grade point average of 2.0.
 5) A grade of "C" or better in all courses required for the major or area of emphasis.

Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out of state university should consult with an El Camino College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

~~At least 12 units required for the Communication Studies AA-T must be completed at El Camino College.~~

Major Requirements		Units
<u>Required Core: 3 units</u>		
COMS 4 100	Public Speaking	3
List A: 6 units		
COMS 3 140	Small Group Communication	3
COMS 4 120	Argumentation and Debate	3
COMS 4 130	Interpersonal Communication	3
List B: 6 units		
<u>Any course from List A not already completed</u>		
COMS 5 265	Mass Communication	3
COMS 8 250	Oral Interpretation of Literature	3
COMS 4 260	Introduction to Intercultural Communication	3
List C: 3 units		
<u>Any course from List A or List B not already completed</u>		
ANTH 2	Introduction to Cultural Anthropology	3
ANTH 4	Language and Culture	3
COMS 4 270	Organizational Communication	3
COMS 22abcd 292abcd	Forensics – Individual Events	2
COMS 23abcd 293abcd	Forensics – Team Events	2
ENGL 1B	Literature and Composition	3
or		
<u>ENGL 1BH</u>	<u>Honors Literature and Composition</u>	<u>3</u>
PSYC 5	General Psychology	3
SOCI 101	Introduction to Sociology	3

(one semester of COMS ~~22abcd~~ 292abcd and COMS ~~23abcd~~ 293abcd may count toward the degree)

Total Units: 18

Recommendation

The degree provides students with a thorough foundation in the theory and practice of communication studies. This is achieved through a variety of courses that serve to develop personal, business, and professional communication skills in individual, interpersonal, and group situations, along with skills in research, organization, critical thinking, argumentation, and forensics. Students will demonstrate their proficiency through performance, class projects, research papers, objective tests, critiques, and competitions. Program assessment is measured by completion, evaluation of student learning outcomes, transferability, competitions at the local, state, and national levels, and periodic program review.

The Associate in Arts for Transfer (AA-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AA-T are given priority consideration for admission to the CSU system, but not to a particular campus or major. In order to earn an AA-T degree, students must complete:

- 1) Completion of 60 semester units that are eligible for transfer to the California State University.
- 2) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education - Breadth requirements.
- 3) A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
- 4) Obtainment of a minimum grade point average of 2.0.
- 5) A grade of "C" or better in all courses required for the major or area of emphasis.

Students who have completed the AA-T will have a strong academic foundation in the field and will be prepared for upper division baccalaureate study at the university. The coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. Students transferring to a UC, private, or out of state university should consult with an El Camino College counselor when planning to complete the degree since transfer requirements may be slightly different than those required for the AA-T.

Major Requirements

Units

Required Core: 3 units

COMS 100	Public Speaking	3
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List A: 6 units

COMS 120	Argumentation and Debate	3
COMS 130	Interpersonal Communication	3
COMS 140	Small Group Communication	3

List B: 6 units

Any course from List A not already completed

COMS 250	Oral Interpretation of Literature	3
COMS 260	Introduction to Intercultural Communication	3
COMS 265	Mass Communication	3

List C: 3 units

Any course from List A or List B not already completed

ANTH 2	Introduction to Cultural Anthropology	3
ANTH 4	Language and Culture	3
COMS 270	Organizational Communication	3
COMS 292abcd	Forensics – Individual Events	2
COMS 293abcd	Forensics – Team Events	2
ENGL 1B	Literature and Composition	3
or		
ENGL 1BH	Honors Literature and Composition	3
PSYC 5	General Psychology	3
SOCI 101	Introduction to Sociology	3

(one semester of COMS 292abcd and COMS 293abcd may count toward the degree)

Total Units: 18

INACTIVATE PROGRAMS

1. Digital Arts: Web Design Certificate of Achievement
2. Entertainment Lighting Technology Certificate of Achievement

INACTIVATE COURSE

1. Music 190abcd – Applied Music/Individual Lessons

INDUSTRY AND TECHNOLOGY

CTE TWO-YEAR COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT (Recommended Preparation)

1. Architecture 158 – Structures Analysis-Timber
Current Status/Proposed Changes
 Recommended Preparation: eligibility for English A

Recommendation
 Recommendation Preparation: none

2. Fire and Emergency Technology 3 – Fundamentals of Personal Fire Safety and Survival
Current Status/Proposed Changes
 Recommended Preparation: Fire and Emergency Technology 1 and English A
~~eligibility for English 1A~~

Recommendation
 Recommended Preparation: Fire and Emergency Technology 1 and English A

3. Fire and Emergency Technology 11 – Arson Detection and Control
Current Status/Proposed Changes
 Recommended Preparation: Fire and Emergency Technology 1 and English A ~~or 15~~
~~or equivalent; English 84 or eligibility for English 1A~~

Recommendation
 Recommended Preparation: Fire and Emergency Technology 1 and English A

4. Fire and Emergency Technology 19 – Fire Service Entrance Preparation
Current Status/Proposed Changes
 Recommended Preparation: Fire and Emergency Technology 1 and English A ~~and~~
~~Mathematics 40 or 33~~

Recommendation
 Recommended Preparation: Fire and Emergency Technology 1 and English A

CTE TWO-YEAR COURSE REVIEW; CHANGES IN CATALOG DESCRIPTION

1. Automotive Technology 25 – Automotive Electrical Systems
Current Status/Proposed Changes
 This course covers the theory and operation of automotive electricity, electronic components and systems. Laboratory activities stress the proper use of test equipment utilized in the automotive field.

Note: The two-course sequence Automotive Technology 25 and 26 is the same as Automotive Technology 22B.

Recommendation

This course covers the theory and operation of automotive electricity, electronic components and systems. Laboratory activities stress the proper use of test equipment utilized in the automotive field.

Note: The two-course sequence Automotive Technology 25 and 26 is the same as Automotive Technology 22B.

2. Automotive Technology 43 – Introduction to Engine Repair

Current Status/Proposed Changes

This course covers the study of automotive engine construction and operation. ~~of the~~ The diagnosis and repair procedures will include the following: cylinder head removal and valve grinding, camshaft and timing gear replacement, water pump replacement, oil, coolant and manifold (intake and exhaust) leaks and engine maintenance. Laboratory activities stress the proper use of equipment utilized in the automotive field.

Recommendation

This course covers the study of automotive engine construction and operation. The diagnosis and repair procedures will include the following: cylinder head removal and valve grinding, camshaft and timing gear replacement, water pump replacement, oil, coolant and manifold (intake and exhaust) leaks and engine maintenance. Laboratory activities stress the proper use of equipment utilized in the automotive field.

3. Automotive Technology 45 – Automotive Machining

Current Status/Proposed Changes

This course covers the study of machining processes used in the automotive trade. ~~Topics include including but not limited to:~~ Topics include including but not limited to: drilling and tapping, surfacing, boring and honing, pin fitting, press work, resurfacing, reaming, knurling, repairing of damaged threads, measuring, grinding valves and valve seats, and crack detection methods and repairing. Laboratory activities stress proper use of equipment utilized in the automotive engine rebuilding field.

Recommendation

This course covers the study of machining processes used in the automotive trade. Topics include drilling and tapping, milling, surfacing, boring and honing, pin fitting, press work, resurfacing, reaming, knurling, repairing of damaged threads, measuring, grinding valves and valve seats, and crack detection methods and repairing. Laboratory activities stress proper use of equipment utilized in the automotive engine rebuilding field.

CTE TWO-YEAR COURSE REVIEW; CHANGES IN DESCRIPTIVE TITLE, CATALOG DESCRIPTION

Current Status/Proposed Changes

1. Automotive Technology 21 – Introduction to Engine ~~Tune-Up~~ Performance

This course covers the study, theory, and application of computer controlled engine management systems, minor engine ~~tune-up performance~~, electrical and fuel systems. Laboratory activities stress the proper use of test equipment utilized in the automotive field.

Recommendation

Automotive Technology 21 – Introduction to Engine Performance

This course covers the study, theory and application of computer controlled engine management systems, minor engine performance, electrical and fuel systems. Laboratory activities stress the proper use of test equipment utilized in the automotive field.

Current Status/Proposed Changes

2. Automotive Technology 22A – Introduction to ~~Tune-Up~~ Engine Performance, Electrical and Fuel Systems

This is an introductory engine ~~tune-up performance~~ course, which covers construction and operation of the following systems: computer controlled engine management, electrical charging, cooling, emission controls, fuel, and ignition. Laboratory activities stress the proper use of test equipment and repair procedures used in the automotive field.

Note: This course is equivalent to the two-course sequence Automotive Technology 23 and 24. Students who have completed Automotive Technology 23 and 24 will not receive credit for Automotive Technology 22A.

Recommendation

Automotive Technology 22A – Introduction to Engine Performance, Electrical and Fuel Systems

This is an introductory engine performance course, which covers construction and operation of the following systems: computer controlled engine management, electrical charging, cooling, emission controls, fuel, and ignition. Laboratory activities stress the proper use of test equipment and repair procedures used in the automotive field.

Note: This course is equivalent to the two-course sequence Automotive Technology 23 and 24. Students who have completed Automotive Technology 23 and 24 will not receive credit for Automotive Technology 22A.

Current Status/Proposed Changes

3. Automotive Technology 22B – ~~Advanced Tune-Up~~ Engine Performance, Electrical and Fuel Systems

This course covers the study of On-Board Diagnostics II computer controlled engine management systems, major tune-up, electrical systems and fuel systems, (carburetion and fuel injection) testing, including diagnosis and repair procedures. Laboratory activities stress the proper use of test equipment utilized in industry.

Note: Automotive Technology 22B is the same as two-course sequence Automotive Technology 25 and 26. Students who have completed Automotive Technology 25 and 26 will not receive credit for Automotive Technology 22B.

Recommendation

Automotive Technology 22B – Advanced Engine Performance, Electrical and Fuel Systems

This course covers the study of On-Board Diagnostics II computer controlled engine management systems, major tune-up, electrical and fuel systems, carburetion and fuel injection testing, including diagnosis and repair procedures. Laboratory activities stress the proper use of test equipment utilized in industry.

Note: Automotive Technology 22B is the same as two-course sequence Automotive Technology 25 and 26. Students who have completed Automotive Technology 25 and 26 will not receive credit for Automotive Technology 22B.