

**Hawaii Community College
Curriculum Review Committee Proposals Fall 2010**

Program/ Course	Title	Proposal	CRC Action(s)	Senate Action(s)
EIMT	Electrical Installation and Maintenance Technology	Modify Program. Course Alphas were changed to EIMT in Spring 2010. Course descriptions were changed to reflect industry standards and upgrades. Course number was changed on ELEC 24 to EIMT 20. Coreqs were added to EIMT 20: Math 51 and BLPR 22.	Passed pending edits- - 10/18. --->	Passed 10/29/2010. ----->
FIRE 101L	Essentials of Fire Suppression Laboratory	New Course. Course accompanies FIRE 101 lecture with hands-on experience with equipment used in suppression of structural fires. Description: The laboratory accompanies the FIRE 101 lecture. Students will be provided with hands-on experience, instructed in the safe and proper handling of equipment used in the suppression of structural fires.	Reviewed & returned to proposer with recommend- 10/18. Passed pending edits 11/1. ----->	Passed 11/12/2010. ----->
FIRE	Fire Science-- Associate in Science	Modify Program. The Fire Science program plans to add a lab section to FIRE 101. Add course and changes of credits from 60 to 61.	Reviewed & returned to proposer with recommend- 10/18. Passed pending edits 11/1. ----->	Passed 11/12/2010. ----->
FIRE	Fire Science-- Certificate of Achievement	Modify Program. The Fire Science program plans to add a lab section to FIRE 101. Add course and changes of credits from 60 to 61.	Reviewed & returned to proposer with recommend- 10/18. Passed pending edits 11/1. ----->	Passed 11/12/2010. ----->
Medical Office Assistant	Medical Office Assistant-- CC	Modify Program. Delete courses: BUSN 89, BUSN 160, BUSN 166, HLTH 31, and IS 55. Add course: BUSN 121, 164. No change in credits..	Reviewed & returned to proposer with recommend- 10/18. Passed pending edits 11/1. ----->	Passed 11/12/2010. ----->

NURS 110	Introduction to Medical Terminology	Modify Course. Add prereq: ENG 21 with a "C" or better or placement into ENG 102. No change in credits.	Passed pending edits- 10/18. --->	Passed 10/29/2010. ---->
ACC 124	Principles of Accounting I	Modify Course. Add prereq: ACC 20 with a "C" or better, ENG 21 or placement into ENG 102, and BUSN 189. Delete coreq: BUS 55 B, C, D, E (courses deleted from BUS curriculum).	Passed pending edits- 10/25. --->	Passed 11/12/2010. ---->
ACC 132	Payroll and HI Gen Excise Taxes	Modify Course. Add prereq: ACC 20 with a "C" or better. Modify coreq: add ENG 21 with a "C" or better or placement into ENG 102 and delete ACC 20 as a coreq.	Reviewed & returned to proposer with recommend- 10/25. Passed pending edits- 11/15. ----->	Passed 12/3/2010. ----->
ACC 255	Using Spreadsheets in Accounting II	New Course. 3 credit course being initiated by all UHCC campuses to upgrade ACC programs system wide-- will articulate within all UHCCs. Course Description: Provides hands-on training in the use of spreadsheet software on computers to solve accounting problems. Applies previously acquired accounting skills and knowledge. Emphasizes financial and managerial accounting. Prereq: "C" or better in ACC 155, "C" or better in ACC 202 (may be taken concurrently), and BUSN 150 or ICS 101 (may be taken concurrently).	Reviewed & returned to proposer with recommend- 10/25. Passed pending edits- 11/15. ----->	Passed 12/3/2010. ----->
ACC	Accounting-- AAS degree	Modify Program. Delete courses: ACC 193A, PHIL 101, BUS 20, ENG 55, and the Elective Requirement. Add courses: ACC 255, ENG 100 and 1 course with an ACC/ENT alpha. Change in credits: 1.	Reviewed & returned to proposer with recommend- 11/8. Passed pending edits- 11/15. ----->	Passed 12/3/2010. ----->
ACC	Accounting-- CA	Modify Program. Delete courses: ACC 193A, PHIL 101, and BUS 20.. Add courses: ENG 55 and 1 course with an ACC/ENT alpha. Change in credits: 1.	Reviewed & returned to proposer with recommend- 11/8. Passed pending edits- 11/15. ----->	Passed 12/3/2010. ----->
ICS 101	Digital Tools for the Informational World.	Modify Course. Modify prereqs: Completion of Math 24 or placement into Math 26; ENG 21 or placement in ENG 102, and ENG 20W/ESL 13 or placement in ENG 22/ESL 15 or higher.	Passed pending edits- 11/1. -	Passed 11/12/2010. ---->

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ICS 100	Computing Literacy and Applications	Modify Course. Modify prereqs: Placement in Math 50 or Math 22; ESL 9 or ENG 20R or placement in ENG 21 or higher.	Passed pending edits- 11/1. - -->	Passed 11/12/2010. ----->
BUSN 164	Career Success	New Course. 3 credit course being initiated by all UHCC campuses to upgrade ACC programs system wide-- will articulate within all UHCCs. Course Description: Presents concepts and theories relating to workplace behavior; managing one's attitude and relationships for workplace effectiveness.	Withdrawn by proposer and resubmitted-- 11/12/2010. Reviewed and returned to proposer with recommend-- 11/18.	
BTEC	Business Technology	Modify Program. Delete BUS 71 and add BUSN 164. Affects AAS, CA, and CC. No change in credits.	Reviewed & returned to proposer with recommend- 11/8.	
ACC 193B	Accounting Practicum II	Modify Course. Change Contact Hours to 1 lecture hour and 6 practicum hours. Prereqs added: ACC 124, 132, 150, 155, and 201. Coreqs added: Acc 126 or ACC 202 (or prior completion of either).	Reviewed & returned to proposer with recommend- 11/8. Passed pending edits- 11/15. ----->	Passed 12//3/2010. ----->
ENG 20R	Reading and Learning Skills	Modify Course. Modify course description: ENG 20R is a reading and learning skills course designed to develop vocabulary, comprehension skills, and the ability to think clearly. Activities will include note taking, textbook reading, independent lab work and learning/study skills necessary for academic success. Writing will be used to promote reading and study skills. Modify prereqs: "C: or better in ENG 18 or placement in ENG 20R.	Reviewed & returned to proposer with recommend- 11/8. Passed pending edits- 11/15. ----->	Passed 12/3/2010. ----->

ENG 18	Reading Essentials	Modify Course. Modify Course Description: Eng 18 is a reading fundamentals course designed to develop reading comprehension, vocabulary acquisition, and study skills. Some of the activities will include building vocabulary skills through phonics, word structure, the dictionary, and context clues; improving comprehension by finding the main ideas, supporting details and making inferences; developing study skills by practicing time management and taking organized notes.	Reviewed & returned to proposer with recommend-11/8. Passed pending edits-11/15. ----->	Passed 12/3/2010. ----->
WELD 24	Measurement and Layout	Modify Course. Combine WELD 24 and 25 to create new course MWIM 21.	Reviewed & returned to proposer with recommend-10/11.	
WELD 26	Basic Arc Welding	Modify Course. Combine WELD 26 and 27 to create new course MWIM 16-B.	Reviewed & returned to proposer with recommend-10/11.	
WELD 28	Oxy-Acetylene Weld, Braze, and Cutting	Modify Course. Combine WELD 28 and 29 to create new course MWIM 11.	Reviewed & returned to proposer with recommend-10/11.	
WELD 31	Intermediate Welding	Modify Course. Combine WELD 31 and 40 to create new course MWIM 26B.	Reviewed & returned to proposer with recommend-10/11.	
WELD 41	Advanced Welding	Modify Course. Change alpha and number. Change to MWIM 36-B.	Proposer withdrew; pending new course proposal.	
WELD 43	Sheet Metal Pattern Development and Fabrication	Modify Course. Change alpha and number Change to MWIM 31.	Proposer withdrew; pending new course proposal.	

WELD 50	Special Processes in Welding	Modify Course. Change alpha and number Change to MWIM 46B.	Proposer withdrew; pending new course proposal.	
WELD 53	Pattern Development	Modify Course. Change alpha and number Change to MWIM 41 and add Rigging and Lifting Techniques to curriculum.	Proposer withdrew; pending new course proposal.	
MACH 20	Introduction to Machine Shop Technology	Modify Course. Combine Mach 20, 21, 22, 23 to create new course MWIM 16A.	Reviewed & returned to proposer with recommend-10/11.	
MACH 24	Lathe I: Facing and Turing	Modify Course. Combine Mach 24, 25 to create new course MWIM 26A.	Reviewed & returned to proposer with recommend-10/11.	
MACH 26	Lathe II	Modify Course. Change alpha and number to MWIM 36A.	Proposer withdrew; pending new course proposal.	
MACH 27	Intro to CNC Milling, and Advanced Hydraulics and Pneumatics	Modify Course. Change alpha and number to MWIM 46A and add Advanced Hydraulics and Pneumatics to curriculum.	Proposer withdrew; pending new course proposal.	
MWIM	Machine Welding and Industrial Mechanics	Modify Program. Change in course alphas and numbers. Reduce number of required credits from 71 to 69 credits.	Reviewed & returned to proposer with recommend-10/11.	

HIST 161	National Cinemas	New Course. Course Description: An in-depth look at classics from cinematic production of various countries and an examination of the cultural milieu from which those films arose. Includes a selection of films by a variety of directors and genres from the silent era into the present. Students will consider films that have been affected by culture and films that have affected culture. Country chosen varies by instructor. 3 credits. Has been offered experimentally. Prerequisites: Completion of Eng 20R or Eng 20W or ESL 13 or placement in Eng 21 or Eng 22 or higher.	Passed pending edits- - 11/22. --->	Did not pass. Sent back to proposer for modifications--prerequisites.
PHYS 105	Energy Systems and Sustainability	New Course. Natural science course for non-science majors. Focus on the basic understanding of the physical, chemical, technical and environmental aspects of the generation and use of energy on a global, regional, local and individual level. Renewable energy sources and technologies are discussed. Prereqs: Math 22 or placement in Math 24; and ENG 21 or placement in ENG 100 or 102. 3 credits.	Reviewed & returned to proposer with recommend- 11/22.	
ENG 102	College Reading Skills	Modify Course. Modify prereqs: "C" or better in ENG 21 or placement in ENG 102; and ENG 20W or ESL 13 or placement in ENG 22 or ESL 15.	Passed pending edits- - 11/22. --->	Passed 12/3/2010. ----->
ENG 21	Developmental Reading	Modify Course. Modify prereqs: "C" or better in ENG 20R or "C" or better in ESL 9 or placement in ENG 21. Modify SLO #1 and Delete SLO #5.	Passed pending edits- - 11/22. --->	Passed 12/3/2010. ----->
AJ	Administration of Justice	Modify Program. Add SUBS courses as AJ elective course options: SUBS 268, 140, 141, 245, 262, 268, 270, 275, 280, 294, 295. Options will enhance AJ curriculum and better prepare AJ majors for career opportunities as 80% of offenders have substance abuse issues.	Passed pending edits- - 11/22. --->	Passed 12/3/2010. ----->
RAC 121	Basic Refrigeration, Heating, Ventilating, and Air Conditioning.	New Course. Course will be first course in new program also being planned and proposed-- Refrigeration and Air Conditioning (RAC). Course Description: Basic physics covering the vapor compression cycle, including heat energy, heat transfer, changes of state in matter, pressure temperature, and thermodynamics as applicable to the refrigeration cycle. Students will learn the various components and purposes of the refrigeration cycle; basic tools used in refrigeration/HVAC; application of tools to various types of equipment; and refrigeration safety. Students will braze, solder, flare, and bend copper tubing. Prereqs: ENG 21 or ENG 22 or ESL 15 or Placement in ENG 102 or ENG 100, MATH 1ABCD or placement in Math 50. 12 credit course.	Reviewed & returned to proposer with recommend- 11/22.	
RAC	Refrigeration and Air Conditioning Technology	New Program. The Refrigeration and Air Conditioning Technology program prepares students for entry-level employment as assistants and technicians in the design, operation, service, repair, installation, and sales of refrigeration, heating, ventilating, and air conditioning equipment and systems. The program integrates hands-on training with concepts and theory to give students real world experience in al classroom environment. Students will work with actual field and training equipment and systems.	Reviewed & returned to proposer with recommend- 11/22.	

BIOL 171	Introductory Biology	Modify Course. Delete Coreqs.	Reviewed & returned to proposer with recommend-11/22.	
BIOL 172	Introductory Biology II	Modify Course. Prerequisites BIOL 171 or BIOL 101 or Consent of Instructor.	Reviewed & returned to proposer with recommend-11/22.	
MWIM 11	Oxy-Acetylene Weld, Brazing & Cutting	New Course. Prerequisites: Math 50 and Eng 21 or Eng 22 or higher or ESL 15 (may be taken concurrently). Corequisites: MWIM 16A and MWIM 16B. Introduction to the metalworking trades; safety and common industrial shop practices; interpretation of shop drawings and sketches; commonly used materials and supplies; basic hand tools; metalworking machinery and bench work common to metal fabrication; emphasis on hand processes and fabrication with light gage materials and flat stock. This is a theory and practice course designed to provide instruction in the areas of oxy-acetylene welding safety; proper use of oxy-acetylene welding equipment; flat, horizontal, and vertical welding of ferrous metals; bronze welding and silver brazing methods and applications; and oxy-acetylene cutting of ferrous metals with a manual torch and radiograph (4 credit course).	Reviewed & returned to proposer with recommend-12/15.	
MWIM 16A	Intro to Industrial Mechanics (Machining, Welding, Hydraulics, & Pneumatics)	New Course. Prerequisites: Math 50 and Eng 21 or Eng 22 or higher or ESL 15 (may be taken concurrently). Corequisites: MWIM 11 and MWIM 16B. An introductory course in the field of Industrial Mechanics Technologies that includes lectures and lab time in machining, and welding including personal and machine safety, use of hand and power tools measurement and layout, common linear and angular measurement methods using both semi and precision measuring tools, machine safety and the proper use of the cutting saws, drilling machines, grinders, milling, turning and threading machines. Also, an Intro to Hydraulics and Pneumatics to include safety, components, common circuits and common hand tools (4 credit course).	Reviewed & returned to proposer with recommend-12/15.	
MWIM 16B	Introductory course into Basic Arc Welding	New Course. Prerequisites: Math 50 and Eng 21 or Eng 22 or higher or ESL 15 (may be taken concurrently). Corequisites: MWIM 11 and MWIM 16A. This course covers basic SMAW welding procedures, including theory, safety, setup of common SMAW power sources, and manipulative techniques in flat and horizontal positions, electrode identification, basic metals and their weld ability, common shop tests to determine weld quality and common joint designs. Also stressed is general industrial safety (4 credit course).	Reviewed & returned to proposer with recommend-12/15.	

MWIM 21	Measurements and Layout and Sheet Metal Lab	New Course. Prerequisites: MWIM 11, MWIM 16A, and MWIM 16B. Corequisites: MWIM 26A and MWIM 26B. An introductory course in linear and angular measurement; applications of math calculation on practical shop projects using common measuring and layout tools; direct measurement and simple layout using basic geometric construction and principles of squaring; blanking and procedures for development of simple patterns with allowances for common edges and seams; use of common three factor equations and application on cylindrical objects and rectangular objects with edges and seams; emphasis on accuracy in linear and angular measurement, squaring, and direct measurement layout. An introduction to manual processes in sheet metal fabrication; direct measurement layout and introduction to pattern development including parallel line development; procedures for layout, blanking, cutting, and forming, use of mechanical joints, fasteners and soldering; sheet metal fabrication of common fittings; emphasis on pattern development and sheet metal processes; sheet metal fabrication duct work and the use of common sheet metal shop equipment including brakes, rolls shears, and CNC Plasma Cam cutting machine (4 credit course).	Reviewed & returned to proposer with recommend-12/15.	
MWIM 26A	Intro to Lathe, Facing and Turning, Shape Altering	New Course. Prerequisites: MWIM 11, MWIM 16A, and MWIM 16B. Corequisites: MWIM 21 and MWIM 26B. This is an introductory course on the use of the engine lathe. Topics covered are methods of mounting work, cutting tool shapes and preparation, turning, facing, knurling, speeds, and feeds. Operations covered in this course are turning and facing, grooving, form turning, tapering, and thread cutting (4 credit course).	Reviewed & returned to proposer with recommend-12/15.	
MWIM 26B	Intermediate Welding and Qualification Procedures	New Course. Prerequisites: MWIM 11, MWIM 16A, and MWIM 16B. Corequisites: MWIM 21 and MWIM 26A. Theory and practical course in shielded metal arc welding; joint designs, preparation, and fit-up; mild steel electrodes and low hydrogen-type electrode applications and welding techniques; development of manipulative skills on common welding joints with mild steel and low hydrogen-type electrode in the flat and horizontal positions. A practical course in industrial standards for quality control in welding and welding fabrication; introduction to the common codes, specifications, and standards used for qualification procedure and welder certification emphasis on specific parts of these codes applying to workmanship and qualifications; certification requirements and applications of these codes to specific types of welded construction or fabrication; and development of qualification procedures and testing for welder certification with AWS D1.1-86 Structural Welding Code (4 credit course).	Reviewed & returned to proposer with recommend-12/15.	
MWIM 31	Advanced Pattern Development	New Course. Prerequisites: MWIM 21, MWIM 26A, and MWIM 26B. Corequisites: MWIM 36A and MWIM 36B. An advanced course in sheet metal pattern development procedures, techniques in construction of geometrical forms, concepts of multiview drawings and planes of projection, and principles of parallel and radial line development and triangulation. Use of templates transferred to metal to construct geometrical forms 4 credit course).	Reviewed & returned to proposer with recommend-12/15.	

MWIM 36A	Advanced Lathe and Intro to Manual Milling Machining	New Course. Prerequisites: MWIM 21, MWIM 26A, and MWIM 26B. Corequisites: MWIM 31 and MWIM 36B. A more advanced engine lathe and milling machine course covering operations including taper and angular turning, boring, cutting internal and external acme screw threads, and faceplate set-up. Stress is placed on accuracy and measurement by the use of micrometers, thread wires, vernier calipers, dial indicators, and gauge blocks. The Manual milling machine operations including cutting of different types of keyways, boring using fly cutters and a boring head, generating flat, parallel and perpendicular surfaces using end mills, shell mills, face mills and round nose cutters. Basic spur gears and cutting process will be covered (4 credit course).	Reviewed & returned to proposer with recommend-12/15.	
MWIM 36B	Intermediate Welding Techniques	New Course. Prerequisites: MWIM 21, MWIM 26A, and MWIM 26B. Corequisites: MWIM 31 and MWIM 36A. Intermediate techniques in electric arc welding; prepares students for the qualification tests in the horizontal position. Advanced welding processes of non ferrous metals that include aluminum and stainless steel, welding with tungsten inert gas (TIG) and metallic inert gas (MIG), and welding of ferrous metals using the flux cored arc welding (FCAW) (4 credit course).	Reviewed & returned to proposer with recommend-12/15.	
MWIM 41	Pipe Joint Prep., Plasma Cam, Rigging and Lifting Techniques	New Course. Prerequisites: MWIM 31, MWIM 36A, and MWIM 36B. Corequisites: MWIM 46A and MWIM 46B. Pipe joint preparation and pipe pattern development and basic fittings for the heating and air conditioning type of work. Use of the Plasma Cam to design and cut component pieces. Rigging and load lifting techniques including safety, and the use of nylon, cable and chain slings, come-alongs and chain falls and using the shop and yard cranes (4 credit course).	Reviewed & returned to proposer with recommend-12/15.	
MWIM 46A	Intro to CNC Milling, Advanced Hydraulics & Pneumatics	New Course. Prerequisites: MWIM 31, MWIM 36A, and MWIM 36B. Corequisites: MWIM 41 and MWIM 46B. This is an introduction to Computer Numerical Control (CNC) Milling machines, the use of Cartesian coordinates, absolute and incremental measurements, datum points, and applications of the Digital Read Out (DRO). Emphasis on the use of the CNC functions in the shop floor mode and setup and machining of programmed functions. This course will include safety, maintenance and basic operations of the portable line boring machine. This course will also offer advanced Hydraulics and Pneumatics instruction including safety and hydraulic computations for volumes and flow (4 credit course).	Reviewed & returned to proposer with recommend-12/15.	

MWIM 46B	Advanced Arc Welding and Special Processes in Welding	New Course. Prerequisites: MWIM 31, MWIM 36A, and MWIM 36B. Corequisites: MWIM 41 and MWIM 46A. Advanced techniques in electric arc welding; prepares students for the qualification tests in the vertical and overhead positions on the guided bend testing machine. Basic welding fabrication with emphasis on safety and common industrial shop practices; interpretation of shop drawings and sketches; commonly used materials and supplies; layout on plates and structural steels; common joint designs and fit-up; oxy-acetylene and plasma cutting of plate and structural steel; basic structural framing; use of jigs and fixtures; common practices to control expansion and contraction of weldments and welding procedures (4 credit course).	Reviewed & returned to proposer with recommend-12/15.	
MWIM	Machine Welding and Industrial Mechanics	Modify Program. Program developed New course proposals based on demands of industry and the needs of the college and students. Modified program will reduce the number of required credits from 71 to 69 credits.	Reviewed & returned to proposer with recommend-12/15.	

**Hawaii Community College
Curriculum Review Committee Proposals Spring 2011**

Program/ Course	Title	Proposal	CRC Action(s)	Senate Action(s)
BUSN 164	Career Success	New Course. 3 credit course being initiated by all UHCC campuses to upgrade ACC programs system wide-- will articulate within all UHCCs. Course Description: Presents concepts and theories relating to workplace behavior; managing one's attitude and relationships for workplace effectiveness. Prerequisites: ENG 21 and ENG 22 or ESL 15, or instructor approval (May be taken concurrently). 3 credits.	Reviewed and returned to proposer with recommend--11/18. Passed 2/07. --->	Passed 2/18 --->
BTEC	Business Technology	Modify Program. Delete BUS 71 and add BUSN 164. Affects AAS, CA, and CC. No change in credits.	Reviewed & returned to proposer with recommend-11/8. Passed 2/07. --->	Passed 2/18 --->

HIST 120	National Cinemas	New Course. Course Description: An in-depth look at classics from cinematic production of various countries and an examination of the cultural milieu from which those films arose. Includes a selection of films by a variety of directors and genres from the silent era into the present. Students will consider films that have been affected by culture and films that have affected culture. Country chosen varies by instructor. 3 credits. Has been offered experimentally. Prerequisites: Completion of Eng 21 or Eng 22 or ESL 15 or placement in ENG 100 or ENG 102. 3 credits.	Passed pending edits- - 11/22. ---> Resubmitted and passed 2/07. --->	Did not pass. Sent back to proposer for modifications-- prerequisites 12/3/10. Passed 2/18 --->
PHYS 105	Energy Systems and Sustainability	New Course. Natural science course for non-science majors. Focus on the basic understanding of the physical, chemical, technical and environmental aspects of the generation and use of energy on a global, regional, local and individual level. Renewable energy sources and technologies are discussed. Prerequisites: Math 22 or Math 50 or placement in Math 24; and ENG 21 or ENG 22 or placement in ENG 100 or 102. 3 credits.	Reviewed & returned to proposer with recommend- 11/22. Passed 2/07. --->	Passed 2/18 --->
MKT 292	Integrated Marketing Projects	New Course. Will replace MKT 193B. A course reinforcing skills, theories and concepts learned in Marketing courses. This course provides students with the opportunity to apply their skills, knowledge, and understanding to develop and complete selected Marketing situation simulation and projects. Prerequisites: MKT 120, 157, and 185. 3 credits.	Passed 2/07. --->	Passed 2/18 --->
MKT 193B	Marketing Practicum	Delete Course. Course is being replaced with a course that is more appropriate for students and learning outcomes.	Passed 2/07. --->	Passed 2/18 --->
MKT	Marketing	Modify Program. Delete MKT 193B and add MKT 292.	Passed 2/07. --->	Passed 2/18 --->
RAC 121	Basic Refrigeration, Heating, Ventilating, and Air Conditioning.	New Course. Course will be first course in new program also being planned and proposed-- Refrigeration and Air Conditioning (RAC). Course Description: Basic physics covering the vapor compression cycle, including heat energy, heat transfer, changes of state in matter, pressure temperature, and thermodynamics as applicable to the refrigeration cycle. Students will learn the various components and purposes of the refrigeration cycle; basic tools used in refrigeration/HVAC; application of tools to various types of equipment; and refrigeration safety. Students will braze, solder, flare, and bend copper tubing. Prerequisites: ENG 21 or ENG 22 or ESL 15 or Placement in ENG 102 or ENG 100, MATH 1ABCD or placement in Math 50or Math 22 . 12 credit course.	Reviewed & returned to proposer with recommend- 11/22. Passed pending edits 2/14. ----->	Passed 3/18 --->
RAC	Refrigeration and Air Conditioning Technology	New Program. The Refrigeration and Air Conditioning Technology program prepares students for entry-level employment as assistants and technicians in the design, operation, service, repair, installation, and sales of refrigeration, heating, ventilating, and air conditioning equipment and systems. The program integrates hands-on training with concepts and theory to give students real world experience in al classroom environment. Students will work with actual field and training equipment and systems.	Reviewed, returned to proposer 2/14. ----->	

Art 112	Intro to Digital Arts	Modify Course. Modify Contact Hours from 1lec/4lab to 6 lecture/lab hours. Studio introduction to digital technology and its applications to the production of visual art. Emphasis will also be placed on developing an aesthetic criteria for evaluation. Prerequisites: ENG 21 or Eng 22 or ESL 15 or placement in ENG 100 or placement in ENG 102. 3 credits.	Passed pending edits 2/14. ----- -->	Passed 3/18 --->
Art 114	Foundation Studio: Color	Modify Course. Modify Contact Hours from 2lec/4lab to 6 lecture/lab hours. Modify Course Description: This is a studio course in aspects and theories of color and their practical applications. 3 credits.	Passed pending edits 2/14. ----- -->	Passed 3/18 --->
ITS 193	Cooperative Education/ Internship/ Practicum	Modify Course. Modify Course Number and Title to ITS 293: Information Technology Program Internship. Cooperative internship education program integrating classroom learning with supervised, structured and unstructured work experience. Offers an opportunity to enhance workplace soft skills as well as technical skills. Assignments determined by students' interests, program content and job availability.(1 hour lecture/8 hours practicum per week). Prerequisites: "C" or better in ITS 151, ITS 215, and ITS 218 and ENG 100; and SPCO 151. 3 credits.	Passed pending edits 2/14. ----- -->	Passed 4/29. --->
IT	Information Technology-- Associate in Science	Modify Program. To reflect change in course number and title for ITS 193 to ITS 293-- Information Technology Program Internship.	Passed pending edits 4/04. ---- -->	Passed 4/29. --->
IT	Information Technology-- Computer Support Certificate of Completion	Modify Program. BUSN 166 will be deleted from the program requirements.	Passed pending edits 4/04. ---- -->	Passed 4/29. --->
MWIM 11	Oxy-Acetylene Weld, Brazing & Cutting	New Course. Prerequisites: Math 50 and Eng 21 or Eng 22 or higher or ESL 15 (may be taken concurrently). Co requisites: MWIM 16A and MWIM 16B. Introduction to the metalworking trades; safety and common industrial shop practices; interpretation of shop drawings and sketches; commonly used materials and supplies; basic hand tools; metalworking machinery and bench work common to metal fabrication; emphasis on hand processes and fabrication with light gage materials and flat stock. This is a theory and practice course designed to provide instruction in the areas of oxy-acetylene welding safety; proper use of oxy-acetylene welding equipment; flat, horizontal, and vertical welding of ferrous metals; bronze welding and silver brazing methods and applications; and oxy-acetylene cutting of ferrous metals with a manual torch and radiograph (4 credit course).	Passed pending edits 4/04. ----- -->	Passed 4/29. --->

MWIM 16A	Intro to Industrial Mechanics (Machining, Welding, Hydraulics, & Pneumatics)	New Course. Prerequisites: Math 50 and Eng 21 or Eng 22 or higher or ESL 15 (may be taken concurrently). Co requisites: MWIM 11 and MWIM 16B. An introductory course in the field of Industrial Mechanics Technologies that includes lectures and lab time in machining, and welding including personal and machine safety, use of hand and power tools measurement and layout, common linear and angular measurement methods using both semi and precision measuring tools, machine safety and the proper use of the cutting saws, drilling machines, grinders, milling, turning and threading machines. Also, an Intro to Hydraulics and Pneumatics to include safety, components, common circuits and common hand tools (4 credit course).	Passed pending edits 4/04. ----- -->	Passed 4/29. --->
MWIM 16B	Introduction to Basic Arc Welding	New Course. Prerequisites: Math 50 and Eng 21 or Eng 22 or higher or ESL 15 (may be taken concurrently). Co requisites: MWIM 11 and MWIM 16A. This course covers basic SMAW welding procedures, including theory, safety, setup of common SMAW power sources, and manipulative techniques in flat and horizontal positions, electrode identification, basic metals and their weld ability, common shop tests to determine weld quality and common joint designs. Also stressed is general industrial safety (4 credit course).	Passed pending edits 4/04. ----- -->	Passed 4/29. --->
MWIM 21	Measurements and Layout and Sheet Metal Lab	New Course. Prerequisites: MWIM 11, MWIM 16A, and MWIM 16B. Corequisites: MWIM 26A and MWIM 26B. An introductory course in linear and angular measurement; applications of math calculation on practical shop projects using common measuring and layout tools; direct measurement and simple layout using basic geometric construction and principles of squaring; blanking and procedures for development of simple patterns with allowances for common edges and seams; use of common three factor equations and application on cylindrical objects and rectangular objects with edges and seams; emphasis on accuracy in linear and angular measurement, squaring, and direct measurement layout. An introduction to manual processes in sheet metal fabrication; direct measurement layout and introduction to pattern development including parallel line development; procedures for layout, blanking, cutting, and forming, use of mechanical joints, fasteners and soldering; sheet metal fabrication of common fittings; emphasis on pattern development and sheet metal processes; sheet metal fabrication duct work and the use of common sheet metal shop equipment including brakes, rolls shears, and CNC Plasma Cam cutting machine (4 credit course).	Passed pending edits 4/04. ----- -->	Passed 4/29. --->
MWIM 26A	Intro to Lathe, Facing and Turning, Shape Altering	New Course. Prerequisites: MWIM 11, MWIM 16A, and MWIM 16B. Co requisites: MWIM 21 and MWIM 26B. This is an introductory course on the use of the engine lathe. Topics covered are methods of mounting work, cutting tool shapes and preparation, turning, facing, knurling, speeds, and feeds. Operations covered in this course are turning and facing, grooving, form turning, tapering, and thread cutting (4 credit course).	Passed pending edits 4/04. ----- -->	Passed 4/29. --->

MWIM 26B	Intermediate Welding and Qualification Procedures	New Course. Prerequisites: MWIM 11, MWIM 16A, and MWIM 16B. Corequisites: MWIM 21 and MWIM 26A. Theory and practical course in shielded metal arc welding; joint designs, preparation, and fit-up; mild steel electrodes and low hydrogen-type electrode applications and welding techniques; development of manipulative skills on common welding joints with mild steel and low hydrogen-type electrode in the flat and horizontal positions. A practical course in industrial standards for quality control in welding and welding fabrication; introduction to the common codes, specifications, and standards used for qualification procedure and welder certification emphasis on specific parts of these codes applying to workmanship and qualifications; certification requirements and applications of these codes to specific types of welded construction or fabrication; and development of qualification procedures and testing for welder certification with AWS D1.1-86 Structural Welding Code (4 credit course).	Passed pending edits 4/04. ----- -->	Passed 4/29. --->
MWIM 31	Advanced Pattern Development	New Course. Prerequisites: MWIM 21, MWIM 26A, and MWIM 26B. Co requisites: MWIM 36A and MWIM 36B. An advanced course in sheet metal pattern development procedures, techniques in construction of geometrical forms, concepts of multiview drawings and planes of projection, and principles of parallel and radial line development and triangulation. Use of templates transferred to metal to construct geometrical forms 4 credit course).	Passed pending edits 4/04. ----- -->	Passed 4/29. --->
MWIM 36A	Advanced Lathe and Intro to Manual Milling Machining	New Course. Prerequisites: MWIM 21, MWIM 26A, and MWIM 26B. Co requisites: MWIM 31 and MWIM 36B. A more advanced engine lathe and milling machine course covering operations including taper and angular turning, boring, cutting internal and external acme screw threads, and faceplate set-up. Stress is placed on accuracy and measurement by the use of micrometers, thread wires, vernier calipers, dial indicators, and gauge blocks. The Manual milling machine operations including cutting of different types of keyways, boring using fly cutters and a boring head, generating flat, parallel and perpendicular surfaces using end mills, shell mills, face mills and round nose cutters. Basic spur gears and cutting process will be covered (4 credit course).	Passed pending edits 4/04. ----- -->	Passed 4/29. --->
MWIM 36B	Intermediate Welding Techniques	New Course. Prerequisites: MWIM 21, MWIM 26A, and MWIM 26B. Co requisites: MWIM 31 and MWIM 36A. Intermediate techniques in electric arc welding; prepares students for the qualification tests in the horizontal position. Advanced welding processes of non ferrous metals that include aluminum and stainless steel, welding with tungsten inert gas (TIG) and metallic inert gas (MIG), and welding of ferrous metals using the flux cored arc welding (FCAW) (4 credit course).	Passed pending edits 4/11. ----- -->	Passed 4/29. --->

MWIM 41	Pipe Joint Prep., Plasma Cam, Rigging and Lifting Techniques	New Course. Prerequisites: MWIM 31, MWIM 36A, and MWIM 36B. Co requisites: MWIM 46A and MWIM 46B. Pipe joint preparation and pipe pattern development and basic fittings for the heating and air conditioning type of work. Use of the Plasma Cam to design and cut component pieces. Rigging and load lifting techniques including safety, and the use of nylon, cable and chain slings, come-alongs and chain falls and using the shop and yard cranes (4 credit course).	Passed pending edits 4/11. ----- -->	Passed 4/29. --->
MWIM 46A	Intro to CNC Milling, Advanced Hydraulics & Pneumatics	New Course. Prerequisites: MWIM 31, MWIM 36A, and MWIM 36B. Co requisites: MWIM 41 and MWIM 46B. This is an introduction to Computer Numerical Control (CNC) Milling machines, the use of Cartesian coordinates, absolute and incremental measurements, datum points, and applications of the Digital Read Out (DRO). Emphasis on the use of the CNC functions in the shop floor mode and setup and machining of programmed functions. This course will include safety, maintenance and basic operations of the portable line boring machine. This course will also offer advanced Hydraulics and Pneumatics instruction including safety and hydraulic computations for volumes and flow (4 credit course).	Passed pending edits 4/11. ----- -->	Passed 4/29. --->
MWIM 46B	Advanced Arc Welding and Special Processes in Welding	New Course. Prerequisites: MWIM 31, MWIM 36A, and MWIM 36B. Co requisites: MWIM 41 and MWIM 46A. Advanced techniques in electric arc welding; prepares students for the qualification tests in the vertical and overhead positions on the guided bend testing machine. Basic welding fabrication with emphasis on safety and common industrial shop practices; interpretation of shop drawings and sketches; commonly used materials and supplies; layout on plates and structural steels; common joint designs and fit-up; oxy-acetylene and plasma cutting of plate and structural steel; basic structural framing; use of jigs and fixtures; common practices to control expansion and contraction of weldments and welding procedures (4 credit course).	Passed pending edits 4/11. ----- -->	Passed 4/29. --->
MWIM	Machine Welding and Industrial Mechanics	Modify Program. Program developed New course proposals based on demands of industry and the needs of the college and students. Modified program will reduce the number of required credits from 71 to 69 credits.	Reviewed and returned to proposer with recommend-- 4/4. Passed 4/18. --->	Passed 4/29. --->

FIRE 207	Hazardous Materials Awareness & Operations	Modify Course. Adds prerequisites: FIRE 101, 156, 153. Students are introduced to initial response for Hazardous Material Incidents. Upon completion of this course the student will meet the training requirements of the National Fire Protection Association (NFPA), Office of Safety and Health Administration (OSHA), and the Office of Domestic Preparedness (ODP) to perform at the Awareness and Operations level. Topics include: personal safety, regulations, toxicology, Incident Command System, decontamination, chemical resources, initial response, assessment, and strategic and tactical options for HAZ MAT incidents. 3 credits.	Reviewed, returned to proposer 2/14. Passed pending edits 3/28. ---->	Passed 4/29. --->
FIRE 208	Aircraft Rescue Fire Fighting	Modify Course. Adds prerequisites: FIRE 101, 156, 153. Introduction to definitions, concepts, methods, and requirements of an airport firefighter's duties and responsibilities. The course has two major areas of concentration: the Federal Aviation Regulation (FAR 139) and the National Fire Code (NFC 1003). 3 credits.	Reviewed, returned to proposer 2/14. Passed pending edits 3/28. ---->	Passed 4/29. --->
FIRE 210	Fire Administration	Modify Course. Adds prerequisites: FIRE 101, 151, 153, 156, and 157. This course will provide the student with an overall understanding of the science, leadership and modern management in the fire service. Topics will include: developing your game plan for personal success, the principles of leadership and management, leadership ethics, managing emergency services, analytical approaches to public fire protection, and community disaster planning. 3 credits.	Reviewed, returned to proposer 2/14. Passed pending edits 3/28. ----->	Passed 4/29. --->
FIRE 212	Firefighting Strategies & Tactics	Modify Course. Adds prerequisites: FIRE 101, 151, 153, 156, and 157. To introduce the essential elements, definitions, and terminology involved in analyzing the nature of fire, and determining the needs and requirements to extinguish fires. To help students develop an understanding of the complexities involved in suppressing fires. The student will learn manpower, equipment and practices with an emphasis on pre-planning, study of conflagration problems and fire ground organization. This course will be a building block for student's future tactics and strategy classes taught by State and Federal Fire programs. 3 credits.	Reviewed, returned to proposer 2/14. Passed pending edits 3/28. ----->	Passed 4/29. --->
FIRE 215	Wildland/Urban Interface Operations	Modify Course. Adds prerequisites: FIRE 101, 151, 153, 156, and 157. This course is an introduction to the strategies, tactics, techniques, tools and safety consideration related to fire operations in the wildland/urban interface. The course involves aspects of suppression and prevention. 3 credits.	Reviewed, returned to proposer 2/14. Passed pending edits 3/28. ----->	Passed 4/29. --->
FIRE	Fire Science	Modify Program. Will add BIOL 100 as a more appropriate and relevant science course and delete PHYS 100. Total program credits will not change.	Passed pending edits 3/28. ----->	Passed 4/29. --->

DMA	Digital Media Arts	Proposal for New Academic Program: AS Degree in Digital Media Arts with specialization in 2 separates area: Graphic Design and Digital Video.	Initial review 3/7; will meet with proposer 3/14. Passed 5/2 ----- -->	Passed 5/6. --->
Art 243	Intermediate Ceramics-- Hand Building	Modify Course. Modify Contact Hours from 2 lecture/4 lab to 6 lecture/lab hours. The development of sculptural and vessel concepts using hand building techniques. Prerequisites: Art 105B. 3 credits, but may be repeated for credit up to 6 credits.	Passed pending edits 2/28. ----- -->	Passed 3/18 --->
Art 244	Intermediate Ceramics-- Wheel Throwing	Modify Course. Modify Contact Hours from 2 lecture/4 lab to 6 lecture/lab hours. The development of vessel and sculptural concepts using wheel throwing techniques. Prerequisites: Art 105C. 3 credits, but may be repeated for credit up to 6 credits.	Passed pending edits 2/28. ----- -->	Passed 3/18 --->
Art 223	Intermediate Painting	Modify Course. Modify Contact Hours from 2 lecture/4 lab to 6 lecture/lab hours. Survey of the late 19th and 20th century studio practice with emphasis on abstraction and non-representational painting. Prerequisites: Art 123. 3 credits, but may be repeated for credit, up to 6 credits.	Passed pending edits 2/28. ----- -->	Passed 3/18 --->
Art 230	Textile Design	Modify Course. Modify Contact Hours from 2 lecture/4 lab to 6 lecture/lab hours. Design problems for production of printed fabric utilizing silkscreen techniques. 3 credits.	Passed pending edits 2/28. ----- -->	Passed 3/18 --->
Art 115	Foundation Studio: 2-D Design	Modify Course. Modify Contact Hours from 2 lecture/4 lab to 6 lecture/lab hours. Basic two-dimensional designs, concepts, elements and principles of organization. 3 credits.	Passed pending edits 2/28. ----- -->	Passed 3/18 --->
Art 113	Foundation Studio: Drawing	Modify Course. Modify Contact Hours from 2 lecture/4 lab to 6 lecture/lab hours. Two-dimensional visualization and rendering forms, space, and ideas through a variety of approaches and media. 3 credits.	Passed pending edits 2/28. ----- -->	Passed 3/18 --->
Art 123	Introduction to Painting	Modify Course. Modify Contact Hours from 2 lecture/4 lab to 6 lecture/lab hours. Theory and practice of painting: basic material and technical procedure will be addressed. Oil or acrylic. 3 credits.	Passed pending edits 2/28. ----- -->	Passed 3/18 --->
Art 111	Introduction to Watercolor Painting	Modify Course. Modify Contact Hours from 2 lecture/4 lab to 6 lecture/lab hours. An introduction to watercolor materials and techniques, including an introduction to Oriental brush painting. 3 credits.	Passed pending edits 2/28. ----- -->	Passed 3/18 --->
Art 105C	Introduction to Ceramics: Wheel Throwing	Modify Course. Modify Contact Hours from 2 lecture/4 lab to 6 lecture/lab hours. Three dimensional concepts in clay through wheel throwing techniques. Prerequisites: Art 105B. 3 credits.	Passed pending edits 2/28. ----- -->	Passed 3/18 --->

Art 105B	Introduction to Ceramics: Hand Building	Modify Course. Modify Contact Hours from 2 lecture/4 lab to 6 lecture/lab hours. An introduction to three dimensional concepts in clay through hand building techniques. 3 credits.	Passed pending edits 2/28. ----->	Passed 3/18 --->
BIOL 171	Introductory Biology	Modify Course. Delete Corequisites except BIOL 171L. Covers principles of cell structure, replication, metabolism, classical and molecular genetics, as well as evolution. Also biodiversity of prokaryotes, virus, fungi, and plants including plant structure and function. 3 credits.	Reviewed, returned to proposer 3/7. Passed 5/2 ----->	Passed 5/6. --->
BIOL 172	Introductory Biology II	Modify Course. Modify prerequisites: BIOL 171 or BIOL 101 or Consent of Instructor. Students will explore the biodiversity of animal-like protistans, invertebrates, and vertebrates. Animal tissues, sensory reception and integration, endocrine system, circulation, immunity, digestion, reproduction and development. Population and community ecology, energy flow, and biogeochemical cycles. 3 credits.	Reviewed, returned to proposer 3/7. Passed 5/2 ----->	Passed 5/6. --->
ESASC	Environmental Studies	Modify Program. Will add BIOL 171 and 171L as additional option courses to fulfill a Sciences area requirement.	Passed pending edits 3/28. ----->	Passed 4/29. --->
TEAM	Tropical Ecosystem and Agro forestry Management	Modify Program. Will add BIOL 171 and 171L as an additional option to fulfill the Life Sciences area requirement	Passed pending edits 3/28. ----->	Passed 4/29. --->