

COMMUNITY COLLEGE OF DENVER

Addendum to the 2024-2025 Online and Printed Catalog

This addendum is an integral part of the college's 2024-2025 Academic Catalog; the purpose of this document is to amend current information or include additional information. The information published herein is effective for the 2024-2025 school year. If any of these changes impact a student's ability to graduate, please contact the dean for the area in question.

Course Revisions

ACC 1025 | Computerized Accounting

Lecture Credit: 3

Introduces computerized accounting applications for business use, with emphasis on company setup and all aspects of the accounting cycle.

Prerequisite: ACC 1001 or ACC 1011 or ACC 1021 with a grade of C or better

Corequisite: ACC 1001 or ACC 1011 or ACC 1021

Note: This class will be offered in the spring semester only.

ACC 2026 | Cost Accounting

Lecture Credit: 3

Explores cost accumulation methods and reports, including job order, process, standard, and activity-based cost systems. Topics include budgeting, planning, and control of costs.

Prerequisite: ACC 1012 or ACC 1022 with a grade of C or better

Note: This class will be offered in the fall semester only.

ART 1111 | Art History Ancient to Medieval: GT-AH1

Lecture Credit: 3

Provides the knowledge base to understand the visual arts, especially as related to Western culture. Surveys the visual arts from the Ancient through the Medieval periods. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

ART 1112 | Art History Renaissance to Modern: GT-AH1

Lecture Credit: 3

Provides the knowledge base to understand the visual arts, especially as related to Western culture. Surveys the visual arts from the Renaissance to 1900. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1

CHE 1009 | General, Organic, and Biochemistry

Lecture Credit: 4

This course surveys the foundations of inorganic, organic, and biochemistry, including the study of measurement, atomic theory, chemical bonding, inorganic and organic nomenclature, reaction stoichiometry, solutions, acid and base chemistry, condensed states of matter, structure-property relationships of different functional groups, and structures and functions of the four main biomolecule classes. This course is designed for non-science majors and students entering selected occupational and health related career areas. This course does not have a lab component.

Prerequisite: College Readiness in English and Quantitative Literacy Math

Note: Recommended for health science career areas, specifically pre-dental hygiene.

CSC 1060 | Computer Science I: (Language)

Lecture Credit: 4

Introduces computer science and programming, focusing on algorithm development, data representation, logical expressions, sub-programs, and input/output (IO) operations through a high-level programming language. Includes intensive hands-on computer work to reinforce understanding and apply these concepts.

Prerequisite: CSC 1019 or CSC 1020 with a grade of C or better

Corequisite: MAT 1340 or higher

Note: CCD does not offer CSC 1020. Please see your advisor for more information.

CSC 1061 | Computer Science II: (Language)

Lecture Credit: 4

Applies object-oriented methodology through a high-level programming language, expanding upon algorithm development and problem-solving techniques introduced in Computer Science I. The emphasis is on practical experience in data structures and the design and implementation of substantial software projects.

Prerequisite: CSC 1060 with a grade of C or better

CSC 2017 | Advanced Python Programming

Lecture Credit: 3

Advances problem-solving techniques utilizing object-oriented methodology in Python. Introduces practical applications, including developing graphical user interface applications, implementing data persistence, and utilizing an advanced Integrated Development Environment (IDE). Includes unit testing, distribution of a Python package, and fostering a comprehensive understanding of real-world programming scenarios.

Prerequisite: CSC 1019 and MAT 1340 or CSC 1060 with a grade of C or better

PSY 2552 | Psychopathology: GT-SS3

Lecture Credit: 3

Examines psychopathology and its classification, causes, treatment, and prevention. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

Prerequisite: College Readiness in English

PTE 1020 | Application of Behavioral Health Care & Wellness

Lecture Credit: 5

Provides training in the application of concepts and skills in basic etiology, symptoms of, and interventions for common behavioral and mental health disorders. This course provides opportunities to recognize clients experiencing common behavioral and mental health issues.

SPA 1001 | Conversational Spanish I

Lecture Credit: 3

This course presents introductory Spanish conversation skills necessary to navigate everyday situations and travel. This course is intended for language learners with little or no prior experience.

SPA 1002 | Conversational Spanish II

Lecture Credit: 3

This course builds upon basic Spanish conversation skills necessary to navigate everyday situations and travel.

SPA 1015 | Spanish for the Professional I

Lecture Credit: 3

This course presents introductory Spanish language skills, for professional use in a variety of fields, within Spanish-speaking environments. This course is intended for language learners with little or no prior experience.

Note: The specific content of this course may vary. See details for the particular professional focus of a given section.

Course Deletions

CAD 2204 | AutoCAD Architecture

Lecture/Lab Credit: 3

Provides students with the software application training in Architectural construction drawings using industry standard software. Includes creating floorplans, sections, elevations and details necessary to produce 2D and 3D Architectural construction drawings.

CRJ 1046 | Community Based Corrections

Lecture Credit: 3

Introduces an analysis of community based correctional programs and procedures. Emphasizes the environment and the relationship to public safety, reintegration and punishment.

CRJ 1052 | Sexual Assault

Lecture Credit: 3

Examines sexual assault beginning with definitions and describing the degrees of sexual assault and the penalties and realities of punishment. Covers myths, statistics, services, treatment and prevention. Both the rapist and the adolescent offender are profiled. Emphasizes the pro-active approach with regard to prevention.

CRJ 2045 | Interview and Interrogation

Lecture Credit: 3

Exploration of the study of technical and legal approaches used in gathering desired information from victims, witnesses, and suspects. Examines the fundamental characteristics of questioning and the use of psychological influences.

NUR 1089 | Transition from LPN to RN

Lecture Credit: 2 Lab Credit: 1 Clinical Credit: 1

Facilitates transition of the LPN to new roles and responsibilities of the ADN, the nursing process, critical thinking, legal and ethical issues in nursing practice, and the nursing care of childbearing families and pediatric clients.

Application of knowledge and skills occurs in the laboratory and maternal/child and pediatric clinical settings.

Prerequisite: Admission into LPN-BSN Program

Program Revisions

Business Administration- Marketing AAS

Course resequencing.

First Semester

BUS 1015- Introduction to Business- 3 credits

COM 1150- Public Speaking- 3 credits

ENG 1021- English Composition I: GT-CO1- 3 credits

ACC 1011- Introduction to Financial Accounting- 3 credits

ECO 2001- Principles of Macroeconomics: GT-SS1- 3 credits

Subtotal: 15 credits

Second Semester

CIS 1018- Introduction to PC Applications- 3 credits

ENG 1022- English Composition II: GT-CO2- 3 credits

MAT 1340- College Algebra: GT-MA1- 4 credits
ACC 1012- Introduction to Managerial Accounting- 3 credits
MAR 2016- Principles of Marketing- 3 credits
Subtotal: 16 credits

Third Semester

BUS 2017- Business Communication and Report Writing- 3 credits
BUS 2016- Legal Environment of Business- 3 credits
MAR 1011- Principles of Sales- 3 credits
MAR 1060- Customer Service- 3 credits
ECO 2002- Principles of Microeconomics: GT-SS1- 3 credits
Subtotal: 15 credits

Fourth Semester

MAT 1400- Survey of Calculus: GT-MA1- 4 credits
PSY 1001- General Psychology I: GT-SS3- 3 credits
BUS 2087- Cooperative Education- 3 credits
MAN 2000- Human Resources Management I- 3 credits
PHI 1012- Ethics: GT-AH3- 3 credits
Subtotal: 16 credits
Total Credits: 62 credits

Business Administration- Management AAS

Course Resequencing.

First Semester

BUS 1015- Introduction to Business- 3 credits
ENG 1021- English Composition I: GT-CO1- 3 credits
ACC 1011- Introduction to Financial Accounting- 3 credits
COM 1150- Public Speaking- 3 credits
ECO 2001- Principles of Macroeconomics: GT-SS1- 3 credits
Subtotal: 15 credits

Second Semester

PHI 1012- Ethics: GT-AH3- 3 credits
MAN 1016- Principles of Supervision- 3 credits
CIS 1018- Introduction to PC Applications- 3 credits
MAT 1340- College Algebra: GT-MA1- 4 credits
ACC 1012- Introduction to Managerial Accounting- 3 credits
Subtotal: 16 credits

Third Semester

BUS 2026- Business Statistics- 3 credits
BUS 2017- Business Communication and Report Writing- 3 credits
BUS 2016- Legal Environment of Business- 3 credits
MAN 2026- Principles of Management- 3 credits
MAR 1060- Customer Service- 3 credits
Subtotal: 15 credits

Fourth Semester

MAN 2000- Human Resources Management I- 3 credits

MAN 2041- Project Management in Organizations- 3 credits
MAR 2016- Principles of Marketing- 3 credits
MAN 2016- Small Business Management- 3 credits
BUS 2087- Cooperative Education- 3 credits
Subtotal: 15 credits
Total Credits: 61 credits

Business Transfer AA

Course resequencing.

First Semester

BUS 1015- Introduction to Business- 3 credits
COM 1150- Public Speaking- 3 credits
ENG 1021- English Composition I: GT-CO1 1- 3 credits
ACC 1011- Introduction to Financial Accounting- 3 credits
ECO 2001- Principles of Macroeconomics: GT-SS1- 3 credits
Subtotal: 15 credits

Second Semester

ENG 1022- English Composition II: GT-CO2- 3 credits
ACC 1012- Introduction to Managerial Accounting- 3 credits
Choose One Elective- 1 credit
CIS 1059 Microsoft Office Specialist Certification Prep: Excel
COM 1010 Communicating through Technology
Choose one Mathematics Course depending on your transfer college of choice (GT-MA1) 4
MAT 1320- Finite Mathematics: GT-MA1
MAT 1340- College Algebra: GT-MA1
MAT 1400- Survey of Calculus: GT-MA1
Choose One Elective- 3 credits
ETH 2000- Introduction to Ethnic Studies: GT-SS3
GEO 1005- World Regional Geography: GT-SS2
HUM 1023- Humanities: Modern World: GT-AH2
MAN 1028- Human Relations in Organizations
MAN 2026- Principles of Management
MAR 2016- Principles of Marketing
Subtotal: 14 credits

Third Semester

ECO 2002- Principles of Microeconomics: GT-SS1- 3 credits
PHI 2005- Business Ethics: GT-AH3- 3 credits
BUS 2017- Business Communication and Report Writing- 3 credits
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)- 4 credits
BIO 1005- Science of Biology with Lab: GT-SC1
AST 1110- Astronomy with Lab: Planetary Systems: GT-SC1
PHY 1105- Conceptual Physics with Lab: GT-SC1
GEY 1111- Physical Geology with Lab: GT-SC1
Choose One Elective- credits 3
ETH 2000- Introduction to Ethnic Studies: GT-SS3
MAN 2000- Human Resources Management I
MAN 2026- Principles of Management

MAR 2016- Principles of Marketing
PSY 1001- General Psychology I: GT-SS3
SOC 1001- Introduction to Sociology I: GT-SS3
Subtotal: 16 credits

Fourth Semester

BUS 2016- Legal Environment of Business- 3 credits
BUS 2026- Business Statistics- 3 credits
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)- 3 credits
LIT 1015- Introduction to Literature I: GT-AH2
LIT 2002- World Literature After 1600: GT-AH2
SPA 2011- Spanish Language III: GT-AH4
SPA 2012- Spanish Language IV: GT-AH4
Choose One History Course (GT-HI1)- 3 credits
HIS 1310- Western Civilization: Antiquity-1650: GT-HI1
HIS 1110- The World: Antiquity-1500: GT-HI1
HIS 1120- The World: 1500-Present: GT-HI1
HIS 2005- Women in World History: GT-HI1
Choose One Natural & Physical Sciences Course (GT-SC1~GT-SC2)- 3 credits
AST 1140- Astronomy of Ancient Cultures: GT-SC2
BIO 1003- Principles of Animal Biology: GT-SC2
BIO 1016- Introduction to Human Disease: GT-SC2
GEY 1108- Geology of National Parks GT-SC2
Subtotal: 15 credits
Total Credits: 60 credits

Creative Writing Transfer AA

LIT 2005 has been removed as an option.

First Semester

ENG 1021- English Composition I: GT-CO1- 3 credits
ENG 2021- Creative Writing I GT-AH1- 3 credits
COM 1250- Interpersonal Communication: GT-SS3- 3 credits
HUM 1023- Humanities: Modern World: GT-AH2- 3 credits
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)- 3 credits
COM 2300- Intercultural Communication: GT-SS3
COM 2220- Group Communication: GT-SS3
CRJ 1010- Introduction to Criminal Justice: GT-SS3
ECO 2001- Principles of Macroeconomics: GT-SS1
JOU 1005- Introduction to Mass Media: GT-SS3
PSC 1011- American Government: GT-SS1
Subtotal: 15 credits

Second Semester

ENG 1022- English Composition II: GT-CO2- 3 credits
MAT 1240- Math for Liberal Arts: GT-MA1- 4 credits
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)- 3 credits
PSC 1011- American Government: GT-SS1
PSC 2005- International Relations: GT-SS1
ECO 2001- Principles of Macroeconomics: GT-SS1

PSY 1001- General Psychology I: GT-SS3
SOC 1002- Introduction to Sociology II: GT-SS3
Choose One History Course (GT-HI1)- 3 credits
HIS 2005- Women in World History: GT-HI1
HIS 1120- The World: 1500-Present: GT-HI1
HIS 2110- African American History: GT-HI1
HIS 1110- The World: Antiquity-1500: GT-HI1
HIS 2200- History of Latin America: GT-HI1
Choose One Natural & Physical Sciences Course (GT-SC2)- 3 credits
ENV 1010- Natural Disasters: GT-SC2
BIO 1016- Introduction to Human Disease: GT-SC2
AST 1140- Astronomy of Ancient Cultures: GT-SC2
GEO 1060- Global Climate Change: GT-SC2
Subtotal:16 credits

Third Semester

LIT 1015- Introduction to Literature I: GT-AH2- 3 credits
Choose One World Languages Course- 3-5 credits
SPA 1011- Spanish Language I
SPA 2062- Writing for Heritage and Intermediate-Mid Spanish Speakers
Choose One Elective Course- 3 credits
HUM 1003- Introduction to Film Art: GT-AH2
JOU 1005- Introduction to Mass Media: GT-SS3
THE 2015- Playwriting: GT-AH1
HUM 1015- World Mythology: GT-AH2
PHI 2020- Philosophy of Death and Dying: GT-AH3
COM 1300- Communication and Popular Culture: GT-AH1
Choose One Natural & Physical Sciences Course (GT-SC1)- 4 credits
BIO 1005- Science of Biology with Lab: GT-SC1
ENV 1111- Environmental Science with Lab: GT-SC1
GEY 1111- Physical Geology with Lab: GT-SC1
GEY 1112- Historical Geology with Lab: GT-SC1
PHY 1105- Conceptual Physics with Lab: GT-SC1
Choose One Elective Course- 3 credits
ENG 2031- Literary Magazine
HUM 1003- Introduction to Film Art: GT-AH2
THE 2015- Playwriting: GT-AH1
HUM 1015- World Mythology: GT-AH2
PHI 2020- Philosophy of Death and Dying: GT-AH3
COM 1300- Communication and Popular Culture: GT-AH1
Subtotal:16-18 credits

Fourth Semester

Choose One Social & Behavioral Sciences Course (GT-SS3)- 3 credits
COM 2300- Intercultural Communication: GT-SS3
PSY 1001- General Psychology I: GT-SS3
ANT 1001- Cultural Anthropology: GT-SS3
Choose one GT Course (Except GT-SC Courses)- 3 credits
SOC 1002- Introduction to Sociology II: GT-SS3
PSC 1011- American Government: GT-SS1
PSC 2005- International Relations: GT-SS1

PSY 1001- General Psychology I: GT-SS3
GEO 1005- World Regional Geography: GT-SS2
Choose One Elective Course- 3 credits
ENG 2031- Literary Magazine
HUM 1003- Introduction to Film Art: GT-AH2
THE 1015- Stage Movement for Actors
HUM 1015- World Mythology: GT-AH2
PHI 2020- Philosophy of Death and Dying: GT-AH3
COM 1300- Communication and Popular Culture: GT-AH1
Choose One Natural & Physical Sciences Course (GT-SC1)- 4 credits
BIO 1005- Science of Biology with Lab: GT-SC1
ENV 1111- Environmental Science with Lab: GT-SC1
GEY 1111- Physical Geology with Lab: GT-SC1
GEY 1112- Historical Geology with Lab: GT-SC1
PHY 1105- Conceptual Physics with Lab: GT-SC1
Subtotal: 13 credits
Total Credits: 60-62 credits

Health & Exercise Science AS

Revisions to mathematics courses.

First Semester

HWE 1061- Fitness and Wellness- 2 credits
HWE 1050- Human Nutrition- 3 credits
Choose One Mathematics Course (GT-MA1)- 3-5 credits
MAT 1340- College Algebra: GT-MA1
MAT 1440- Pre-Calculus: GT-MA1
MAT 1420- College Trigonometry: GT-MA1
MAT 2410- Calculus I: GT-MA1
MAT 1260- Intro to Statistics: GT-MA1
Choose One Composition Course (GT-CO1)- 3 credits
ENG 1021- English Composition I: GT-CO1
ENG 1031- Technical Writing I: GT-CO1
Choose One Communication Course- 3 credits
COM 1250- Interpersonal Communication: GT-SS3
COM 1150- Public Speaking
COM 2300- Intercultural Communication: GT-SS3
Subtotal: 14-16 credits

Second Semester

ENG 1022- English Composition II: GT-CO2- 3 credits
HWE 1068- Certified Personal Trainer Preparatory Course- 3 credits
BIO 1111- General College Biology I with Lab: GT-SC1- 5 credits
HWE 1054- Applied Nutrition to Whole Food Cooking- 3 credits
Subtotal: 14 credits

Third Semester

PSY 1001- General Psychology I: GT-SS3- 3 credits
BIO 2101- Human Anatomy & Physiology with Lab I: GT-SC1- 4 credits
EXS 1020 (Resistance Training Techniques) at MSU Denver- 3 credits
Choose One History Course (GT-HI1)- 3 credits

HIS 2110- African American History: GT-HI1
HIS 2015- 20th Century World History: GT-HI1
HIS 1110- The World: Antiquity-1500: GT-HI1
HIS 1120- The World: 1500-Present: GT-HI1
HIS 2200- History of Latin America: GT-HI1
HIS 2005- Women in World History: GT-HI1
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)- 3 credits
ART 1110- Art Appreciation: GT-AH1
ART 1111- Art History Ancient to Medieval: GT-AH1
MUS 1025- History of Jazz: GT-AH1
PHI 1011- Intro to Philosophy: GT-AH3
PHI 1012- Ethics: GT-AH3
PHI 1014- Comparative Religions: GT-AH3
Subtotal: 16 credits

Fourth Semester

BIO 2102- Human Anatomy & Physiology II with Lab: GT-SC1- 4 credits
ESS 3110- Med Topics for Ex Science at MSU Denver- 3 credits
EXS 1640 Physical Fitness Techniques & Program at MSU Denver- 3 credits
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)- 3 credits
LIT 1015- Introduction to Literature I: GT-AH2
LIT 2005- Race, Ethnicity, and Culture in U.S. Literature: GT-AH2
LIT 2001- World Literature to 1600: GT-AH2
HUM 1021- Humanities: Early Civilization: GT-AH2
HUM 1022- Humanities: Medieval-Modern: GT-AH2
HUM 1015- World Mythology: GT-AH2
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)- 3 credits
PSY 2440- Human Growth and Development: GT-SS3
PSY 2552- Psychopathology: GT-SS3
ANT 2550- Medical Anthropology: GT-SS3
PSY 1002- General Psychology II: GT-SS3
SOC 1001- Introduction to Sociology I: GT-SS3
SOC 1002- Introduction to Sociology II: GT-SS3
Subtotal: 16 credits
Total Credits: 60-62 credits

Program Additions

Art Education AA

First Semester

ENG 1021- English Composition I: GT-CO1- 3 credits
ART 1111- Art History Ancient to Medieval: GT-AH1- 3 credits
ART 1002- Visual Concepts 2-D Design- 3 credits
COM 1250- Interpersonal Communication: GT-SS3- 3 credits
ART 1201- Drawing I- 3 credits
Subtotal: 15 credits

Second Semester

ENG 1022- English Composition II: GT-CO2- 3 credits

ART 1112- Art History Renaissance to Modern: GT-AH1- 3 credits
ART 1003- 3-D Design- 3 credits
ART 1004- Visual Concepts 4-D Design- 3 credits
Choose One History Course (GT-HI1)- 3 credits
HIS 2135- Colorado History: GT-HI1
HIS 2145- US History Since 1945: GT-HI1
HIS 2015- 20th Century World History: GT-HI1
HIS 2200 History of Latin America: GT-HI1
HIS 2110- African American History: GT-HI1
HIS 2005- Women in World History: GT-HI1
Subtotal: 15 credits

Third Semester

EDS 3130 (MSU Denver Course)- 4 credits
EDS 3140 (MSU Denver Course)- 1 credits
MGD 1041- Web Design I- 3 credits
Choose One Mathematics Course (GT-MA1)- 3 credits
MAT 1260- Intro to Statistics: GT-MA1
MAT 1220- Integrated Math I: GT-MA1
Choose One Natural & Physical Sciences Course (GT-SC1)- 4 credits
BIO 1005- Science of Biology with Lab: GT-SC1
ENV 1111- Environmental Science with Lab: GT-SC1
CHE 1011- Introduction to Chemistry I with Lab: GT-SC1
PHY 1105- Conceptual Physics with Lab: GT-SC1
GEY 1111- Physical Geology with Lab: GT-SC1
Subtotal: 15 credits

Fourth Semester

ART 1113- Art History 1900 to Present: GT-AH1- 3 credits
MGD 1015- Typography and Layout- 3 credits
EDS 3150 (MSU Denver Course)- 3 credits
Transfer Studio Emphasis: Studio Emphasis Core- 3 credits
Choose One Natural & Physical Sciences Course (GT-SC2)- 3 credits
AST 1140- Astronomy of Ancient Cultures: GT-SC2
BIO 1016- Introduction to Human Disease: GT-SC2
GEO 1060- Global Climate Change: GT-SC2
Subtotal: 15 credits
Total Credits: 60 credits

Industrial Design AA

First Semester

ENG 1021- English Composition I: GT-CO1- 3 credits
ART 1201- Drawing I- 3 credits
IND 1000 (MSU Denver Course)- 1 credits
CAD 1101- Computer Aided Drafting I- 3 credits
PSY 1001- General Psychology I: GT-SS3- 3 credits
ART 1110- Art Appreciation: GT-AH1- 3 credits
Subtotal: 16 credits

Second Semester

ENG 1022- English Composition II: GT-CO2- 3 credits
ART 1002- Visual Concepts 2-D Design- 3 credits
IND 1100 (MSU Denver Course)- 3 credits
ART 1112- Art History Renaissance to Modern: GT-AH1- 3 credits
IND 1470 (MSU Denver Course)- 3 credits
Subtotal: 15 credits

Third Semester

ART 1003- 3-D Design- 3 credits
IND 1300 (MSU Denver Course)- 3 credits
IND 3050 (MSU Denver Course)- 3 credits
MAT 1240- Math for Liberal Arts: GT-MA1- 4 credits
Choose One Natural & Physical Sciences Course (GT-SC2)- 3 credits
AST 1140- Astronomy of Ancient Cultures: GT-SC2
BIO 1016- Introduction to Human Disease: GT-SC2
GEO 1060- Global Climate Change: GT-SC2
Subtotal: 16 credits

Fourth Semester

COM 1250- Interpersonal Communication: GT-SS3- 3 credits
PHY 1105- Conceptual Physics with Lab: GT-SC1- 4 credits
HIS 2110- African American History: GT-HI1- 3 credits
IND 2100 (MSU Denver Course)- 3 credits
Subtotal: 13 credits
Total Credits: 60 credits

Manual Machining Certificate

First Semester

MAC 1000- Machine Shop Safety- 1 credits
MAC 1020- Introduction to Milling Machine- 3 credits
MAC 1010- Introduction to Engine Lathe- 3 credits
MAT 1150- Technical Mathematics- 4 credits
MAC 1002- Print Reading for Machinists- 3 credits
Subtotal: 14 credits

Second Semester

MAC 1011- Intermediate Engine Lathe- 3 credits
MAC 1021- Intermediate Milling Machine- 3 credits
Subtotal: 6 credits
Total Credits: 20 credits

Machining/Welding Tech Certificate

First Semester

MAC 1000- Machine Shop Safety- 1 credits
MAC 1002- Print Reading for Machinists- 3 credits
MAC 1010- Introduction to Engine Lathe- 3 credits
MAC 1020- Introduction to Milling Machine- 3 credits
Subtotal: 10 credits

Second Semester

WEL 1000- Safety for Welders- 1 credits

WEL 1001- Allied Cutting Processes- 4 credits

Choose One Elective Course- 4 credits

WEL 1002- Oxyacetylene Joining Processes

WEL 1003- Basic Shielded Metal Arc I

WEL 1024- Introduction to Gas Tungsten Arc Welding

WEL 1025- Introduction to Gas Metal Arc Welding

Choose One Elective Course- 4 credits

WEL 1002- Oxyacetylene Joining Processes

WEL 1003- Basic Shielded Metal Arc I

WEL 1024- Introduction to Gas Tungsten Arc Welding

WEL 1025- Introduction to Gas Metal Arc Welding

Subtotal: 13 credits

Total Credits: 23 credits