

**MADISON CITY SCHOOLS
DUAL ENROLLMENT COURSES ON THE WEIGHTED GPA SCALE**

INSTITUTION	COURSE	GPA
Calhoun	PHY 213, Physics I with Lab	6.0
Calhoun	PHY 214, Physics II with Lab	6.0
Calhoun	PSY 210 Human Growth and Development	6.0
Calhoun	MTH 227, Calculus III	6.0
Calhoun	MTH 237, Linear Algebra	6.0
Calhoun	MTH 238, Applied Differential Equations I	6.0
Calhoun	CIS 246, Ethical Hacking	6.0
Calhoun	CIS 214, Security Analysis (PEN Testing)	6.0
Calhoun	CIS 252, Advanced C++Computer Programming	6.0
Calhoun	CIS 282, Computer Forensics	6.0
UAH	CH 201 and 205 (lab) Elementary Organic Chemistry	6.0
UAH	CH331 Organic Chemistry	6.0
UAH	CH332 Organic Chemistry II	6.0
UAH	HY 415, Daily Life in Ancient Rome	6.0
UAH	HY 490, Research Seminar in History	6.0
UAH	HY 498, Studies in History	6.0
UAH	PSC 451, Law, Courts, and Public Policy	6.0
UAH	ECN 345, Microeconomics Analysis	6.0
UAH	ECN 445, Applied Game Theory	6.0
UAH	ECN 475, Labor Economics	6.0
UAH	ECN 490, Global Cities and Labor Market	6.0
UAH	PH 112 and 115 (lab), General Physics with Calculus II	6.0
UAH	PH 113 General Physics with Calculus III	6.0
UAH	MA 201, Calculus C	6.0
UAH	MA 238, Applied Differential Equations	6.0
UAH	MA 244, Linear Algebra	6.0
UAH	MA 330, Foundations of Math	6.0
UAH	MA 385, Introduction to Probability	6.0
UAH	MA 442, Algebraic Structures with Applications	6.0
UAH	MA 453, Introduction to Complex Analysis	6.0
UAH	MA 460, Introduction to Fourier Analysis	6.0
UAH	MA 490 Category Theory	6.0
UAH	CS214, Intro to Discrete Structures	6.0
UAH	CS221, Programming in C++ - Data Structures	6.0
UAH	CS 307, Object Oriented Programming in C++	6.0
UAH	CS 309, Computer Organization and Switching Theory	6.0
UAH	CS 317, Introduction to Design and Analysis of Algorithms	6.0
UAH	CS 371, Mobile Computing App Interaction & Development	6.0
UAH	CS 413, Introduction to Digital Computer Design	6.0
UAH	CS 470, Computer Networks	6.0
UAH	CS 485/585, Computer Security	6.0
UAH	CS 487-01, Database Systems	6.0

UAH	CS 490, Introduction to Operating Systems	6.0
UAH	CS 570, Intro to Computer Networks	6.0
UAH	PY 201, Lifespan Development	6.0
UAH	PY 300/304 Psychological Statistics w/Lab	6.00
UAH	PY 301, Personality	6.0
UAH	PY 316, Perception	6.0
UAH	PY 375, Social Psychology	6.0
UAH	PY/BYS 436 Biological Psychology	6.0
UAH	PY 414, Human Research: Learning	6.0
UAH	PY 415, Developmental Psychology	6.0
UAH	PY 422, Independent Research: Learning & Mind Wandering	6.0
UAH	PY 480, Cognition	6.0
UA Early College	MA 227 Calculus III	6.0

**Calhoun Community College
Dual Enrollment Approved Courses**

ART -- Calhoun	Rank (4.0, 6.0)	Credit
Art 100 Art Appreciation	4	1
ENGLISH -- Calhoun	Rank (4.0, 6.0)	Credit
ENG 101 Eng Composition I	4	1
ENG 102 Eng Composition II	4	1
ENG 252 American Literature II	4	1
ENG 261 English Literature I	4	1
ENG 262 English Literature II	4	1
SPH 106 Fundamentals of Oral Communication	4	1
SPH 107 Fundamentals of Public Speaking	4	1
SCIENCE -- Calhoun	Rank (4.0, 6.0)	Credit
AST 220 Introduction to Astronomy	4	1
BIO 103 Principles of Biology I	4	1
BIO 104 Principles of Biology II	4	1
PHS 111 Physical Science I	4	1
PHS 120 Environmental Science	4	1
BIO 201: Human Anatomy & Physiology	4	1
BIO 202: Anatomy & Physiology II	4	1
Chemistry 1 (CHM 111-100)	4	1
Chemistry 2 (CHM 112)	4	1
PHY 213 Physics I with Lab	6	1
PHY 214 Physics II with Lab	6	1
MATH -- Calhoun	Rank (4.0, 6.0)	Credit
MTH 100 Intermediate College Algebra	4	1
MTH 103 Intro to Technical Mathematics	4	1
MTH 110 Finite Mathematics	4	1
MTH 112 PreCalculus Algebra	4	1
MTH 113 PreCalculus Trigonometry	4	1
MTH 120 Calculus and its Applications	4	1
MTH 125 Calculus I	4	1
MTH 126 Calculus II	4	1
MTH 227 Calculus III	6	1
MTH 231 Mathematics for the Elementary Teacher I	4	1
MTH 232 Mathematics for the Elementary Teacher II	4	1
MTH 237 Linear Algebra	6	1
MTH 265 Elementary Statistics	4	1
MTH 238 Applied Differential Equations I	6	1
COMPUTER SCIENCE -- Calhoun	Rank (4.0, 6.0)	Credit
CIS 134 IT Fundamentals	4	1
CIS 146 Computer Applications	4	1
CIS 171 Linux I	4	1
CIS 201 Intro to Computer Programming Concepts	4	1
CIS 202 Python Programming	4	1
CIS 222: Database Management Systems	4	1
CIS 251 C++ Programming	4	1
CIS 263 Computer Maintenance	4	1
CIS 246 Ethical Hacking	6	1
CIS 214 Security Analysis (PEN Testing)	6	1
CIS 252 Advanced C++ Programming	6	1

CIS 282 Computer Forensics	6	1
SOCIAL SCIENCE -- Calhoun	Rank (4.0, 6.0)	Credit
HIS 121 World History I	4	1
HIS 122 World History II	4	1
HIS 201 US History I	4	1
HIS 202 US History II	4	1
ECO 231 Principles of Macroeconomics	4	1
ECO 232 Principles of Microeconomics	4	1
PSY 200 General Psychology	4	1
PSY 210 Human Growth and Development	6	1
PSY 230 Abnormal Psychology	4	1
SOC 200 Intro to Sociology	4	1
PHL 106 Intro to Philosophy	4	1
PHL 206 Ethics and Society	4	1
POL 211, American National Government	4	1
WORLD LANGUAGES -- Calhoun	Rank (4.0, 6.0)	Credit
Introductory Spanish 101	4	1
Introductory Spanish 102	4	1
Spanish 201	4	1
Spanish 202	4	1
EMT -- Calhoun	Rank (4.0, 6.0)	Credit
EMS 100 Cardiopulmonary Resuscitation	4	1
EMS 118 Emergency Medical Technician	4	1
EMS 119 Emergency Medical Technician Clinical	4	1
ADM -- Calhoun	Rank (4.0, 6.0)	Credit
ADM 107, CAD Concepts	4	1
ADM 111, Manufacturing Safety Practices	4	1
ELT -- Calhoun	Rank (4.0, 6.0)	Credit
ELT 108 DC Fundamentals	4	1
ELT 109 AC Fundamentals	4	1
Automotive Technology--Calhoun	Rank (4.0, 6.0)	Credit
ASE112 Electrical Fundamentals	4	1
ASE 162 Electrical and Electronic Systems	4	1
Criminal Justice - Calhoun	Rank (4.0, 6.0)	Credit
CRJ 100 Introduction to Criminal Justice	4	1
CRJ 110 Introduction to Law Enforcement	4	1
CRJ 160 Introduction to Security	4	1
CRJ 208 Introduction to Criminology	4	1
CRJ 238 Crime Scene Investigation	4	1
Welding - Calhoun	Rank (4.0, 6.0)	Credit
WDT 109 SMAW Fillet/PAC/CAC	4	1
WDT 119 Gas Metal Arc/Flux Cored Arc	4	1
WDT 123 SMAW Fillet/PAC/CAC	4	1
WDT 125 Shielded Metal Arc Welding Lab	4	1
WDT 157 Consumable Welding Processes	4	1
WDT 217 Shielded Metal Arc Weld Carbon Pipe	4	1
WDT 268 Gas Tungsten Arc Lab	4	1
Education - Calhoun	Rank (4.0, 6.0)	Credit
CHD 100 Intro-Early Care Educ of Children	4	1
Electives - Calhoun	Rank (4.0, 6.0)	Credit
MTT 147 Intro to Machine Shop	4	1
MTT 148 Intro to Machine Shop Lab	4	1
MUS 101 Music Appreciation	4	1

REL 151 Survey of Old Testament	4	1
SWT 130 Community and Social Work	4	1
THR 120 Theatre Appreciation	4	1

The University of Alabama in Huntsville Dual Enrollment Approved Courses		
MATH -- UAH	Rank (4.0, 6.0)	Credit
MA 110, Finite Mathematics	4	1
MA 112, PreCalculus Algebra	4	1
MA 113, PreCalculus Trigonometry	4	1
MA 115, PreCalculus Algebra and Trig	4	1
MA 120, Calculus with Applications	4	1
MA 126, Calculus II	4	1
MA 171, Calculus A	4	1
MA 172, Calculus B	4	1
MA 201, Calculus C	6	1
MA 238, Applied Differential Equations	6	1
MA 244, Linear Algebra	6	1
MA 330, Foundations of Math	6	1
MA 385, Introduction to Probability	6	1
MA 442, Algebraic Structures with Applications	6	1
MA 453, Introduction to Complex Analysis	6	1
MA 460, Introduction to Fourier Analysis	6	1
MA 490, Category Theory	6	1
COMPUTER SCIENCE --UAH	Rank (4.0, 6.0)	Credit
CS 100, Intro to Computers and Programming	4	1
CS 105, Computer Sci Ethics	4	1
CS102, Intro to C Programming	4	1
CS103, Intro to Programming Using Java	4	1
CS121, C++ Programming	4	1
CS 202, Python Programming	4	1
CS214, Intro to Discrete Structures	6	1
CS221, Programming in C++ - Data Structures	6	1
CS307, Object Oriented Programming in C++	6	1
CS 309, Computer Organization and Switching Theory	6	1
CS317, Introduction to Design and Analysis of Algorithms	6	1
CS 371, Mobile Computing App Interaction & Development	6	1
CS413, Introduction to Digital Computer Design	6	1
CS470, Computer Networks	6	1
CS485/585, Computer Security	6	1
CS487-01: Database Systems	6	1
CS490 Introduction to Operating Systems	6	1
CS570, Intro to Computer Networks	6	1
SOCIAL SCIENCES --UAH	Rank (4.0, 6.0)	Credit
PHL 101, Introduction to Philosophy	4	1
PHL 102, Introduction to Ethics	4	1
SOC 100, Introduction to Sociology	4	1
SOC 103, Criminology	4	1
PY 101, General Psychology	4	1
WH 103, World History	4	1
WH 104, World History to 1500	4	1
PSC 101, American Government	4	1
PSC 103, Introduction to State and Local Government	4	1
PSC 451, Law, Courts, and Public Policy	6	1
ECN 142, Principles of Macroeconomics	4	1
ECN 143, Principles of Microeconomics	4	1
ECN 345, Microeconomics Analysis	6	1

ECN 445, Applied Game Theory	6	1
ECN 475, Labor Economics	6	1
ECN 490, Global Cities and Labor Market	6	1
AMS 229, Ancient & Medieval Worlds	4	1
HY 221, United States to 1877	4	1
HY 222, United States Since 1877	4	1
HY 331, World of the Middle Ages	4	1
HY 415, Daily Life in Ancient Rome	6	1
HY 490, Research Seminar in History	6	1
HY 498, Studies in History	6	1
PY 201, Lifespan Development	6	1
PY 300/304 Psychological Statistics w/Lab	6	1
PY 301, Personality	6	1
PY 316, Perception	6	1
PY/BYS 436 Biological Psychology	6	1
PY 375, Social Psychology	6	1
PY 414, Human Research: Learning	6	1
PY 415, Developmental Psychology	6	1
PY 422, Independent Research: Learning & Mind Wandering	6	1
PY 480, Cognition	6	1
BUSINESS--UAH	Rank (4.0, 6.0)	Credit
IS 146 Computer Applications in Business	4	1
ACC 211, Principles of Financial Accounting	4	1
BUS 315, Creating Entrepreneurial Options	4	1
Science	Rank (4.0, 6.0)	Credit
AST 107, Survey of Astronomy	4	1
BYS 109, Fundamentals of Biology	4	1
BYS 119, Principles of Biology	4	1
BYS 120, Organismal Biology	4	1
BYS 219/221 - Genetics and Evolution: Course/Lab	4	1
BYS/PY 436 Biological Psychology	6	1
BYS 491, Undergraduate Special Topic	4	1
BYS 492, Undergraduate Research	4	1
CH 121 General Chemistry I	4	1
CH 123 and 126 (lab), General Chemistry II	4	1
CH 201 and 205 (lab),Elementary Organic Chemistry	6	1
CH331 Organic Chemistry	6	1
CH332 Organic Chemistry II	6	1
PH 111 and 114 (lab), Physics (co-requisites)	4	1
PH 112 and 115 (lab), General Physics with Calculus II	6	1
PH 113 general Physics with Calculus III	6	1
ART --UAH	Rank (4.0, 6.0)	Credit
ARH 100, Survey of Ancient to Medieval Art	4	1
ARH 101, Survey of Renaissance to Modern Art	4	1
ARS 160, Honors Drawing	4	1
ENGLISH --UAH	Rank (4.0, 6.0)	Credit
EH 208-06, Readings in Literature and Culture II	4	1
EH 209, Honors Seminar in Readings in Literature and Culture I	4	1
EH 101, College Writing	4	1
EH 102, English Composition II	4	1
COMMUNICATIONS --UAH	Rank (4.0, 6.0)	Credit
CM 113, Introduction to Rhetorical Communications	4	1
MUSIC --UAH	Rank (4.0, 6.0)	Credit

MU 100, Introduction to Music Literature	4	1
MU 106, Introduction to Music Technology	4	1
MU 171, Studio Instruction for Brass Trombone	4	1
MU 203, Musicianship Skills I	4	1
MU 120, Beginning Voice Class	4	1
MUX 399, Wind Ensemble	4	1
WORLD LANGUAGE --UAH	Rank (4.0, 6.0)	Credit
WLC 101A-01, Elementary Arabic I	4	1
WLC 102A, Elementary Arabic II	4	1
WLC 101J, Introductory Japanese I	4	1
WLC 102J, Introductory Japanese II	4	1
FL101S, Introduccion al espanol I	4	1
WLC 102S, Introduccion al espanol II	4	1
WLC 101R, Introduction to Russian I	4	1
WLC 102R, Introduction to Russian II	4	1
WLC 201R, Intermediate Russian I	4	1
WLC 202R, Intermediate Russian II	4	1
ELECTIVES	Rank (4.0, 6.0)	Credit
EGR 101 Intro to Engineering	4	1

J.F. Drake State Community & Technical College Dual Enrollment Approved Courses		
	Rank (4.0, 6.0)	Credit Hours
ENGLISH	Rank (4.0, 6.0)	Credit Hours
ENG 101, English Composition 1	4	3
SCIENCES	Rank (4.0, 6.0)	Credit Hours
BIO 103, Principles of Biology I	4	4
BIO 104, Principles of Biology II	4	4
BSS 220 Professional Transition	4	3
COMPUTER SCIENCES/IT	Rank (4.0, 6.0)	Credit Hours
CIS 150 Intro to Computer Logic and Programming	4	3
CIS 220 App Development with Swift	4	3
CIS 199 Network Communications	4	3
CIS 268 Software Support	4	3
CIS 269 Hardware Support	4	3
COSMETOLOGY	Rank (4.0, 6.0)	Credit Hours
COS 111 Intro to Cosmetology	4	3
COS 112 Intro to Cosmetology	4	3
COS 113 Theory of Chem Services	4	3
COS 114 Chemical Serv Lab	4	3
COS 121, Basic Spa Techniques Theory and Lab Combined	4	3
COS 123, Cosmetology Salon Practices	4	3
COS 143, Specialty Hair Preparation Techniques	4	3
COS 144, Hair Shaping and Design	4	3
COS 134, Advanced Esthetics	4	3
COS 149 Nail Art Theory	4	3
COS 163, Facial Treatments	4	3
COS 146, Hair Additions	4	3
COS 164, Facial Machine	4	3
COS 167 State Board Review	4	3
COS 168, Bacteriology and Sanitation	4	3
COS 169, Skin Functions	4	3
SOCIAL SCIENCES	Rank (4.0, 6.0)	Credit Hours
ECO 231 Principles of Macroeconomics	4	3
ECO 232 Principles of Microeconomics	4	3
HIS 201, U.S. History I	4	3
HIS 202, U.S. History II	4	3
MATHEMATICS	Rank (4.0, 6.0)	Credit Hours
MTH 100, Intermediate College Algebra	4	3
MTH 110, Finite Mathematics	4	3
MTH 112 Precal Algebra	4	3
MTH 116, Mathematical Applications	4	3
ELECTIVES	Rank (4.0, 6.0)	Credit Hours
ACT 201 Entrepreneurism	4	3
ARC 100 Art Appreciation	4	3
BAR 101, Introduction to Barbering	4	3
BAR 111, Introcuation to Barbering Lab	4	3
BAR 112, Science of Barbering	4	3
BAR 113, Fundamentals of Barbering Applications	4	3
BAR 140, Practicum I	4	3
BAR 141, Practicum II	4	3
PSY 200 General Psychology	4	3

SAL 133, Salon Management Technology	4	3
SPH 107 Fund of Public Speaking	4	3
SPH 107 Fund of Public Speaking	4	3

Auburn First Dual Enrollment Approved Courses

ENGLISH -- Auburn First	Rank (4.0, 6.0)	Credit
ENGL 1100 - English Composition I	4	1
ENGL 1120 - English Composition II	4	1
ENGL 2200 - World Literature before 1600	4	1
ENGL 2210 - World Literature after 1600	4	1
SCIENCE -- Auburn First	Rank (4.0, 6.0)	Credit
BIOL 1020/BIOL 1021 - Principles of Biology with Lab	4	1
GEOL 1100 - Dynamic Earth	4	1
MATH -- Auburn First	Rank (4.0, 6.0)	Credit
MTH 1120 PreCalculus Algebra	4	1
MTH 1130 PreCalculus Trigonometry	4	1
MTH 1150 Precalculus Algebra and Trig	4	1
MTH 1610 Calculus I	4	1
SOCIAL SCIENCE -- Auburn First	Rank (4.0, 6.0)	Credit
ECON 2020 - Principles of Microeconomics	4	1
ECON 2030 - Principles of Macroeconomics	4	1
HIST 1010 - World History I	4	1
HIST 1020 - World History II	4	1
POLI 1050 Global Politics and Issues	4	1
POLI 1090 - American Government	4	1
ELECTIVES - Auburn First	Rank (4.0, 6.0)	Credit
ANTH 1000 - Anthropology: Culture and Adaptation	4	1
COMM 1000 - Public Speaking	4	1
GEOG 1010 - Global Geography	4	1
GSHS 2000 - Global Studies Human Sciences	4	1
MDIA 2350 Intro to Film Studies	4	1
MUSI 2730 - Music Appreciation	4	1
MUSI 2749 Survey of Popular Music	4	1
PSYC 2010 - Introduction to Psychology	4	1
SOCY 1000 - Sociology: Global Perspective	4	1
SOWO 2000 Introduction to Social Work	4	1
THEA 1010 - Intro to Theatre	4	1

The University of Alabama Early College Dual Enrollment Approved Courses

ENGLISH	Rank (4.0, 6.0)	Credit
EN 101 - Freshman English Composition I	4	1
EN 102 - Freshman English Composition II	4	1
EN 209 - American Literature I	4	1
NATURAL SCIENCE	Rank (4.0, 6.0)	Credit
BSC 108 - Introduction to Biology - Non-Majors I	4	1
BSC 109 - Introduction to Biology - Non-Majors II	4	1
AY 101:102 - Introduction to Astronomy	4	1
PH 105 - General Physics with Calculus I	4	1
MATH	Rank (4.0, 6.0)	Credit
Math 100 - Intermediate Algebra	4	1
Math 110 - Finite Mathematics	4	1
Math 112 - Precalculus Algebra	4	1
Math 113 - Precalculus Trig	4	1
Math 115 - Precalculus Algebra and Trig	4	1
Math 121 - Calculus and Applications	4	1
Math 125 - Calculus I	4	1
Math 126 - Calculus II	4	1
Math 227 - Calculus III	6	1
COMMUNICATIONS	Rank (4.0, 6.0)	Credit
COM 123 - Public Speaking	4	1
COMPUTER SCIENCE	Rank (4.0, 6.0)	Credit
CS 102 - Computer Applications	4	1
CS 104 - Computer Science Principles	4	1
HISTORY	Rank (4.0, 6.0)	Credit
HY 103 - American Civilization to 1865	4	1
HY 104 - American Civilization Since 1865	4	1
SOCIAL & BEHAVIORAL SCIENCE	Rank (4.0, 6.0)	Credit
ANT 100 - Anthropology – The Study of Humanity	4	1
ANT 102 - Introduction to Cultural Anthropology	4	1
EC 110 - Principles of Microeconomics	4	1
GY - 105 World Regional Geography	4	1
GY 110 - People, Places & Environment	4	1
PSC 101 - Introduction to American Politics	4	1
PY 101 - Introduction to Psychology	4	1
SOC 101 - Introduction to Sociology	4	1
AAST 201 - Introduction to African American Studies	4	1
FINE ARTS	Rank (4.0, 6.0)	Credit
ARH 151 - Introduction to Visual Arts	4	1
World Languages	Rank (4.0, 6.0)	Credit
JA 101 Elementary Japanese I	4	1
JA 102 Elementary Japanese II	4	1
Electives	Rank (4.0, 6.0)	Credit
JCM 100 Introduction to Story	4	1
JCM 112 Motion Picture Hy. and Crit.	4	1
JCM 202 - Introduction to Post Production	4	1

The University of North Alabama (UNA) Dual Enrollment Approved Courses			
Course	Rank (4.0, 6.0)	Credit Hours	Semester Offered
SCIENCE	Rank (4.0, 6.0)	Credit	Semester Offered
BI 101 - Introduction Biology	4	4	Fall
BI 102 - Human Biology	4	4	Spring
CH 101/L - Introductory Chemistry with Lab	4	3/1	Fall
CH 102/L - Introductory Chemistry II with Lab	4	3/1	Spring
ES 131 Earth Science/Physical Geology	4	3	Fall
ES 133 Earth Science/Earth Systems	4	3	Spring
ENGLISH	Rank (4.0, 6.0)	Credit	Semester Offered
EN 111 - First-Year Composition I	4	3	Fall
EN 112 - First-Year Composition II	4	3	Spring
EN 211 - Survey of British Literature I	4	3	Fall
EN 212 - Survey of British Literature II	4	3	Spring
SOCIAL SCIENCE	Rank (4.0, 6.0)	Credit	Semester Offered
HI 201 - United States History to 1877	4	3	Both
HI 202 - United States History Since 1877	4	3	Both
PS 241 - US Government and Politics	4	3	Spring
MATH	Rank (4.0, 6.0)	Credit	Semester Offered
MA 100 - Intermediate Algebra	4	3	Fall
MA 105 - Intro to Finite	4	3	Fall
MA 110 - Finite Mathematics	4	3	Spring
MA 112 - College Algebra	4	3	Both
MA 113 - College Trig	4	3	Spring
ELECTIVES	Rank (4.0, 6.0)	Credit	Semester Offered
AR 170 - Art Appreciation	4	3	Both
CIS 125 - Business Applications	4	3	Both
COM 201 - Fundamentals of Speech	4	3	Both
FR 101 Introductory French I	4	3	Both
FR 102 Introductory French II	4	3	Both
MU 222 - Music Appreciation	4	3	Both
SP 101 - Introductory Spanish I	4	3	Both
SP 102 - Introductory Spanish II	4	3	Both
UNA 105 - Strategies for College Success	4	1	Both