

**TECH PREP ARTICULATED COURSES
MUSCOGEE COUNTY HIGH SCHOOLS
COLUMBUS TECHNICAL COLLEGE**

Secondary Course list reflects changes in course names & curriculum that have occurred during the past four years and that may appear on student transcript.

ACCOUNTING

SECONDARY COURSE	POSTSECONDARY COURSE
07.411 Principles of Accounting I	ACC 101 – Principles of Accounting I
07.441 Computer Applications	BUS 101 – Document Processing
07.474 Word Processing or 07.481 Business Document Processing	BUS 108 --Word Processing
07.441 Computer Applications <u>and</u> 07.442 Adv. Computer Technology or 07.482 Business Data Applications	SCT 100 --Intro to Microcomputers

AIR CONDITIONING TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
47.511 Foundations of HVACR <u>and</u> 47.512 Heating/Cooling Basics	ACT 100 Refrigeration Fundamentals
45.513 Air Flow Systems/ Maintenance <u>and</u> 47.514 HVACR Controls/ Operations <u>and</u> 47.515 Heat Pumps, Meter Devices/Refrigerant Handling (<u>and</u> <i>successfully pass CFC certification EPA approved</i>)	ACT 101 Principles/Practices of Refrigeration
47.516 HVACR Servicing/Troubleshooting I <u>and</u> 47.517 HVACR Servicing/Troubleshooting II	ACT 103 Electrical Fundamentals

AUTOMOTIVE TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
47.571 Intro Auto. Service Tech A & B	AUT 120 Intro to Automotive Tech AUT 130 Automotive Brake Systems AUT 122 Electrical & Electronic Systems AUT 124 Battery Starting & Charging
47.572 Foundations Auto. Service Tech A & B	AUT 126 Engine Prin. Of Operation & Repair AUT 132 Suspension and Steering Systems AUT 128 Fuel Ignition & Emission Systems
47.573 Intermediate Auto. Service Tech A & B	AUT 144 Intro to Automatic Transmissions AUT 138 Manual Transmission/Transaxle AUT 134 Drivelines

BUSINESS OFFICE TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
07.441 Computer Applications	BUS 101 – Document Processing
07.411 Principles of Accounting I	ACC 101 –Principles of Accounting I
07.474 Word Processing or 07.481 Business Document Processing	BUS 108 – Word Processing
07.477/07.478 Cooperative Business Education	BUS 106 – Office Procedures
07.441 Computer Applications <u>and</u> 07.442 Advanced Computer Technology or 07.482 Business Data Applications	SCT – 100 Introduction to Microcomputers

CABINETMAKING

SECONDARY COURSE	POSTSECONDARY COURSE
46.545 Fundamentals of Construction <u>and</u> 46.546 Introduction to Building	CFC 100 – Safety CFC 101 – Introduction to Construction

COMPUTER AIDED DRAFTING

SECONDARY COURSE	POSTSECONDARY COURSE
48.541 Intro. to Engineering Drawing	DDF 101 Intro. to Drafting
48.542 Engineering Drawing & Design I	DDF 102 Size & Shape I
48.545 Architectural Drawing & Design I	DDF 107 Intro. to CAD DDS 208 Residential Architectural Drawing II

COMPUTER INFORMATION SYSTEMS

SECONDARY COURSE	POSTSECONDARY COURSE
07.441 Computer Applications	BUS 101 – Document Processing
07.441 Computer Applications <u>and</u> 07.442 Advanced Computer Technology or 07.482 Business Data Applications	SCT 100 – Intro to Microcomputers
07.411 Principles of Accounting I	ACC 101 – Accounting
11.418 Computer Programming II or 11.418 Programming & Systems Mgt.	CIS 255 – Intro to “C” Programming
11.016 AP Computer Science	CIS 255--Intro to "C" Programming <u>or</u> CIS 252--Intro to Java Programming
11.413 Information Technology Foundations	CIS 122 – Microcomputer Installation & Maintenance EET 257 – Advanced Computer Repair
11.422 Networking A & B (Prep for Net+ Cert.)	CIS 1140 – Networking Concepts
11.426 Info Systems Mgt. A & B (Semesters 1 and 2 of Cisco certification--students must pass Cisco final exams)	CIS 2321--Cisco Semester 1 CIS 2322--Cisco Semester 2
11.431 Web Page Design	CIS 2201--HTML Fundamentals <u>OR</u> (based on course content) CIS 2211 Web Site Design Tools
Due to course changes beginning school year '05 11.422 Networking A and B (includes semesters 1 and 2 of Cisco certification--student must pass Cisco final exams)	CIS 1140--Networking Concepts CIS 2321--Cisco Semester I CIS 2322--Cisco Semester II
11.431 Web Page Design I <u>OR</u> 11.043 Web Page Design II	CIS 2201--HTML Fundamentals <u>OR</u> (based on course content) CIS 2211 Web Site Design Tools

CONSTRUCTION AND RELATED FIELDS

SECONDARY COURSE	POSTSECONDARY COURSE
46.545 Fundamentals of Construction <u>and</u> 45.546 Introduction to Building	CFC 100 – Safety CFC 101 – Introduction to Construction CAR101 – Safe Use of Hand and Power Tools CAR103 – Materials

COSMETOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
12.545 Salon Services Core I 12.546 Salon Services Core II 12.547 Advanced Styling Principles/ 12.551 Cosmetology Practicum I	COS 100 --Intro to Cosmetology Theory COS 105 --Intro to Shampoo & Styling
12.545 Salon Services Core I 12.546 Salon Services Core II 12.549 Chemical Hair Processing/ 12.552 Cosmetology Practicum II	COS 101 -- Intro to Permanent Waving & Relaxing
12.545 Salon Services Core I 12.546 Salon Services Core II 12.555 Adv. Skin & Nail Care/ 12.553 Cosmetology Practicum III	COS 103 -- Intro to Skin, Scalp, Hair

ENGLISH

SECONDARY COURSE	POSTSECONDARY COURSE
23.471 Applied Literature & Composition I <u>or</u> 23.472 Applied Literature & Composition II (These courses not offered after school year '04-'05) <u>or</u> 23.052 English IV	ENG 101 – English

HEALTHCARE SCIENCE TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
25.521 Intro to Healthcare Science Tech. Ed. <u>and</u> 25.522 Applications Healthcare Science Tech Ed. A & B	AHS 101--Anatomy and Physiology AHS 103--Nutrition & Diet Therapy AHS 104--Intro. to Healthcare AHS 109--Medical Terminology for Allied Health Science

INDUSTRIAL SYSTEMS TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
46.560 Electrical I	IFC 101--DC Circuits

MACHINE TOOL TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
48.590 Intro to Precision Machining	MCH 101--Intro to Machine Tool MCH 109--Lathe Operations I

MAJOR APPLIANCE TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
47.511 Foundations HVACR <u>and</u> 47.512 Heating/Cooling Basics	ACT 100 – Refrigeration Fundamentals
47.516 HVACR Servicing/Troubleshooting I <u>and</u> 47.517 HVACR Servicing/Troubleshooting II	ACT 103 -- Electrical Fundamentals

MANAGEMENT AND SUPERVISORY DEVELOPMENT

SECONDARY COURSE	POSTSECONDARY COURSE
06.415 Business Law & Exemption Test for MSD 102	MSD 102 – Legal Environment for Supervisors
07.441 Computer Applications <u>and</u> 07.442 Advanced Computer Technology or 07.482 Business Data Applications	SCT 100 – Intro. to Microcomputers

MATHEMATICS

SECONDARY COURSE	POSTSECONDARY COURSE
27.045 Applied Problem Solving <u>and</u> 27.046 Applied Algebra (These courses not offered after school year '04-'05) <u>or</u> 27.047 Pre-Algebra <u>and</u> 27.061 Algebra I <u>or</u> 27.061 Algebra A & B	MAT 101 – General Mathematics
27.064 Algebra II	MAT 103 – Algebraic Concepts
27.063 Euclidean Geometry <u>or</u> 27.062 Informal Geometry <u>and</u> 27.065 Advanced Algebra/Trigonometry	MAT 104 – Geometry and Trigonometry
27.065 Advanced Algebra/Trigonometry	MAT 105 – Trigonometry

PRINTING/GRAPHICS TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
48.521 Graphic Arts Technology IA, IB <u>and</u> 48.522 Graphic Arts Technology IIA, IIB	PGT 101 – Intro to the Printing Industry PGT 111--Basic Press Operations I
*Beginning school year '05-'06, student transcript may show courses listed below: 48.561 Intro to Graphic Arts <u>and</u> 48.562 Fundamentals of Graphic Communications	PGT 101--Intro to the Printing Industry
48.566 Printing Technology Lab I <u>and</u> 48.567 Printing Technology Lab II	PGT 111--Basic Press Operations I

WELDING AND JOINING TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
48.551 Intro Welding	WLD 100 – Intro to Welding Technology
48.557 Gas Metal Arc Welding Specialty <u>and</u> 48.558 Gas Tungsten Arc Welding Specialty <u>and</u> 48.559 Arc Welding Specialty--Stainless Steel	WLD 104 – Shielded Metal, Arc Welding

TECH PREP ARTICULATED COURSES

HARRIS COUNTY HIGH SCHOOL COLUMBUS TECHNICAL COLLEGE

Secondary Course list reflects changes in course names & curriculum that have occurred during the past four years and that may appear on student transcript.

ACCOUNTING

SECONDARY COURSE	POSTSECONDARY COURSE
07.411 Principles of Accounting I	ACC 101 – Principles of Accounting I
07.441 Computer Applications	BUS 101 – Document Processing
07.474 Word Processing or 07.481 Business Document Processing	BUS 108 – Word Processing
07.441 Computer Applications I <u>and</u> 07.442 Computer Applications II <u>or</u> 07.482 Business Data Applications	SCT 100 -- Intro to Microcomputers

AUTOMOTIVE TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
47.571 Intro Automotive Service Technology	AUT 120 – Intro to Automotive Tech AUT 130 – Automotive Brake Systems AUT 122 – Electrical & Electronic Systems AUT 124 – Battery Starting & Charging
47.572 Foundations Automotive Service Technology	AUT 126 – Engine Prin. Of Operation & Repair AUT 132 – Suspension and Steering Systems AUT 128 – Fuel Ignition & Emission Systems
47.573 Intermediate Automotive Service Technology	AUT 144 – Intro to Automatic Transmissions AUT 138 – Manual Transmission/Transaxle AUT 134 – Drivelines

BUSINESS OFFICE TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
07.441 Computer Applications I	BUS 101 – Document Processing
07.411 Principles of Accounting	ACC 101 – Accounting
07.474 Word Processing or 07.481 Business Document Processing	BUS 108 – Word Processing
07.091/07.092 Cooperative Business Education I & II	BUS 106 – Office Procedures
07.441 Computer Applications I <u>and</u> 07.442 Computer Applications II <u>or</u> 07.482 Business Data Applications	SCT-100 Introduction to Microcomputers

CABINETMAKING

SECONDARY COURSE	POSTSECONDARY COURSE
21.023 Exploring Manufacturing/Construction Tech. <u>and</u> 21.441 Materials and Processes	CFC 100 – Safety CFC 101 – Introduction to Construction

COMPUTER AIDED DRAFTING

SECONDARY COURSE	POSTSECONDARY COURSE
48.541 Intro to Engineering Drawing	DDF 101 Intro. to Drafting
48.542 Engineering Drawing & Design I	DDF 102 Size & Shape I
48.545 Architectural Drawing & Design I	DDF 107 Intro. to CAD DDS 208 Residential Architectural Drawing II

COMPUTER INFORMATION SYSTEMS

SECONDARY COURSE	POSTSECONDARY COURSE
07.441 Computer Applications I	BUS 101 – Document Processing
07.441 Computer Applications I <u>and</u> 07.442 Computer Applications II <u>or</u> 07.482 Business Data Applications	SCT 100 – Introduction to Microcomputers
07.411 Principles of Accounting I	ACC 101 – Principles of Accounting I
11.316 Web Page Design	CIS 2201 HTML Fundamentals <u>Or</u> (based on course content) CIS 2211 Web Site Design Tools

CONSTRUCTION AND RELATED FIELDS

SECONDARY COURSE	POSTSECONDARY COURSE
21.023 Exploring Manufacturing/Construction Tech. <u>and</u> 21.441 Materials and Processes	CFC 100 – Safety CFC 101 – Introduction to Construction CAR 101 – Safe Use of Hand and Power Tools CAR 103--Materials

ENGLISH

SECONDARY COURSE	POSTSECONDARY COURSE
23.052 English IV	ENG 101 – English

HEALTHCARE SCIENCE TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
25.521 Intro to Healthcare Science Tech. Ed <u>and</u> 25.522 Applications Healthcare Science Tech. Ed	AHS 101 – Anatomy and Physiology AHS 103-- Nutrition & Diet Therapy AHS 104--Intro to Healthcare AHS 109 – Medical Terminology for Allied Health Science

HORTICULTURE

SECONDARY COURSE	POSTSECONDARY COURSE
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01.461 General Horticulture <u>or</u> 02.441 Plant Science and Biotechnology	EHO 100 – Principles of Horticulture
01.462 Floriculture	EHO 102 – Herbaceous Ornamental Plant Identification <u>and</u> EHO103 – Greenhouse Management I
01.464 Nursery Production	EHO 105 – Nursery Production

MACHINE TOOL TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
48.581 Intro to Metals <u>or</u> 48.590 Intro to Precision Machining	MCH 101 - Intro to Machine Tool MCH 109 - Lathe Operations I

MATHEMATICS

SECONDARY COURSE	POSTSECONDARY COURSE
27.0451 Applied Problem Solving <u>and</u> 27.0461 Applied Algebra (These courses not offered after school year '04-'05) <u>or</u> 27.447 Pre-Algebra <u>and</u> 27.461 Algebra I <u>or</u> 27.461 Algebra A & B	MAT 101 – General Mathematics
27.464 Algebra II	MAT 103 – Algebraic Concepts
27.463 Euclidean Geometry <u>or</u> 27.462 Informal Geometry <u>and</u> 27.465 Advanced Algebra/Trigonometry	MAT 104 – Geometry and Trigonometry
27.465 Advanced Algebra/Trigonometry	MAT 105 – Trigonometry

PRINTING/GRAPHICS TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
48.521 Graphic Arts Technology I <u>and</u> 48.522 Graphic Arts Technology II	PGT 101 – Intro to the Printing Industry PGT 111 --Basic Press Operations I
Beginning in school year '05-'06 student transcript may show: 48.561 Intro to Graphic Arts <u>and</u> 48.562 Fundamentals of Graphic Communications	PGT 101--Intro to the Printing Industry
48.566 Printing Technology Lab I <u>and</u> 48.567 Printing Technology Lab II	PGT 111--Basic Press Operations I

WELDING AND JOINING TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
48.551 Arc Welding Processes I	WLD 100 – Intro. to Welding Technology
48.552 Arc Welding Processes II 48.553 Intermediate Arc Welding Processes I 48.555 Advanced Arc Welding Processes I	WLD 104 – Shielded Metal, Arc Welding

TECH PREP ARTICULATED COURSES

STEWART/QUITMAN HIGH SCHOOL COLUMBUS TECHNICAL COLLEGE

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ACCOUNTING

SECONDARY COURSE	POSTSECONDARY COURSE
07.411 Principles of Accounting I	ACC 101 – Accounting
07.441 Computer Applications	BUS 101 – Document Processing
07.474 Word Processing or 07.481 Business Document Processing	BUS 108 – Word Processing
07.441 Computer Applications <u>and</u> 07.442 Advanced Computer Technology or 07.482 Business Data Applications	SCT 100 – Introduction to Microcomputers

BUSINESS OFFICE TECHNOLOGY

SECONDARY COURSE	POSTSECONDARY COURSE
07.441 Computer Applications	BUS 101 – Document Processing
07.411 Principles of Accounting I	ACC 101 – Accounting
07.474 Word Processing or 07.481 Business Document Processing	BUS 108 – Word Processing
07.441 Computer Applications <u>and</u> 07.442 Advanced Computer Technology or 07.482 Business Data Applications	SCT 100 – Introduction to Microcomputers

COMPUTER INFORMATION SYSTEMS

SECONDARY COURSE	POSTSECONDARY COURSE
07.441 Computer Applications	BUS 101 – Document Processing
07.441 Computer Applications <u>and</u> 07.442 Advanced Computer Technology or 07.482 Business Data Applications	SCT 100 – Introduction to Microcomputers
07.411 Principles of Accounting I	ACC 101 – Principles of Accounting I

ENGLISH

SECONDARY COURSE	POSTSECONDARY COURSE
23.052 English IV	ENG 101 - English

MATHEMATICS

SECONDARY COURSE	POSTSECONDARY COURSE
27.055 Concepts of Problem Solving <u>And</u> 27.056 Concepts of Algebra <u>Or</u> 27.061 Algebra I <u>Or</u> 27.061 Algebra A & B	MAT 101 – General Mathematics
27.064 Algebra II	MAT 103 – Algebraic Concepts
27.063 Euclidian Geometry <u>And</u> 27.065 Advanced Algebra/Trigonometry	MAT 104 – Geometry and Trigonometry
27.067 Pre-Calculus	MAT 105 - Trigonometry

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