



METRO
NASHVILLE
PUBLIC
SCHOOLS



Department of
Education

The revised Programs of Study and corresponding courses are outlined below by Career Cluster. For more information on the specific courses, please visit our career cluster webpage at http://www.tn.gov/education/cte/Career_Clusters/Career_Clusters.shtml.

Metropolitan Nashville Public Schools CTE Programs of Study 2016-17

This guide indicates Programs of Study (POS) being offered in MNPS as well as certifications/credentials that students may obtain through each POS when available. Earning a certification listed as well as meeting all other requirements would allow students to qualify for a diploma with distinction. Each POS is aligned with one of the 16 Career Clusters.

Notes:

- ^{DC} indicates a dual credit opportunity
- ^{DE} indicates dual enrollment opportunity (teacher must meet hiring standard of the post-secondary institution)
- ^{HQ} indicates this course can satisfy a graduation requirement (in addition to the pathway course, aka “double dipping”) if the teacher has HQ status
- **SPOS** indicates Special Program of Study
- *(name of course)* indicates a state pathway name that MNPS has branded with a different name
- Any student taking Personal Finance can earn dual credit.

Advanced Manufacturing

School	First Course	Second Course	Third Course
Energy and Power Distribution Technology Special Program of Study			
Certification/ Credential		1. OSHA 10	
Maplewood	Energy Foundations (MNPS Special Course) 5930	Energy/ Power Distribution Technology I (MNPS Special Course) 5930	Energy/ Power Distribution Technology II (MNPS Special Course) ^{DC} 5930

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka “double dipping”) in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Agriculture, Food, and Natural Resources

School	First Course	Second Course	Third Course	Fourth Course
Alternative Energy Special Program of Study				
Certification/ Credential		1. OSHA 10		
Whites Creek		Agriscience ^{HQ} Principals of Alternative Energy and Sustainability 5957	Greenhouse Management ^{DC} 5954	Alternative Energy Production and Development (MNPS Special Course) 6020
Animal and Plant Biotechnology/ Bioengineering Special Program of Study				
Certification/ Credential		1. OSHA 10		
Glenciff	Agriscience ^{HQ} 5957	Plant Science Biotechnology (Principals of Plant Sciences and Hydroculture) ^{DC} 6119	Animal Sciences Biotechnology (Large Animal Science) ^{DC} 6116	Animal and Plant Biotechnology ^{DC}
Urban Agriculture (Horticulture Science)				
Certification/ Credential		1. OSHA 10		
Overton	Agriscience CASE ^{HQ} 5957	Principals of Plant Sciences and Hydroculture ^{DC} 6119	Greenhouse Management ^{DC} 5954	
Veterinary Science (Veterinary and Animal Science)				
Certification/ Credential		1. OSHA 10		
McGavock	Agriscience CASE ^{HQ} 5957	Small Animal Science 5958	Large Animal Science ^{DC} 6116	Veterinary Science ^{HQ} 5961

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka "double dipping") in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Architecture and Construction

School	First Course	Second Course	Third Course
Architectural and Engineering Design			
Certification/ Credential		1. Autodesk Certified User (CAD, Revit, or Inventor)	
Cane Ridge	Architectural and Engineering Design I 6037	Architectural and Engineering Design II _{DC} 6039	Architectural and Engineering Design III 5927
			Architectural and Engineering Design III 5927
Residential and Commercial Construction			
Certification/ Credential		1. NCCER Carpenter Level I 2. OSHA 10	
Cane Ridge	Residential and Commercial Construction I 6162	Residential and Commercial Construction II ^{DE} (Year 1) 6163	Residential and Commercial Construction II ^{DE} (Year 2) 6163
			Residential and Commercial Construction II ^{DE} (Year 2) 6163

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka “double dipping”) in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Arts, Audio/Visual Technology, and Communications

School	First Course	Second Course	Third Course
Audio Production (Audio/Visual Production)			
Certification/ Credential		1. Apple Certified Pro: Logic Pro X	
McGavock	Audio Production I 6045	Audio Production II 6047	Audio Production III ^{DC} 6048
Pearl-Cohn	Audio Production I 6045	Audio Production II 6047	Audio Production III ^{DC} 6048
Broadcasting (Audio/Visual Production)			
Certification/ Credential		1. Adobe Certified Expert: Premiere Pro	
Cane Ridge	Audio/Visual Production I 6049	Audio/Visual Production II 6050	Audio/Visual Production III ^{DC} 6083 Applied Arts Practicum 6158
			Audio/Visual Production III ^{DC} 6083
			Applied Arts Practicum 6158
Hillsboro	Audio/Visual Production I 6049	Audio/Visual Production II 6050	Audio/Visual Production III ^{DC} 6083
Hillwood	Audio/Visual Production I 6049	Audio/Visual Production II 6050	Audio/Visual Production III ^{DC} 6083
			AP English Language and Composition 3013
McGavock	Audio/Visual Production I 6049	Audio/Visual Production II 6050	Audio/Visual Production III ^{DC} 6083
Pearl-Cohn	Audio/Visual Production I 6049	Audio/Visual Production II 6050	Audio/Visual Production III ^{DC} 6083
Digital Arts and Design			
Certification/ Credential		1. Adobe Certified Associate (Photoshop, InDesign, Illustrator, Flash, Dreamweaver, or any other area of Creative Suite)	
Antioch	Digital Arts and Design I 6084	Digital Arts and Design II 6086	Digital Arts and Design III ^{DC} 6087
Hillwood	Digital Arts and Design I 6084	Digital Arts and Design II 6086	Digital Arts and Design III ^{DC} 6087
Hunters Lane	Digital Arts and Design I 6084	Digital Arts and Design II 6086	Digital Arts and Design III ^{DC} 6087
McGavock	Digital Arts and Design I 6084	Digital Arts and Design II 6086	Digital Arts and Design III ^{DC} 6087

Media Publishing Special Program of Study			
Certification/ Credential		N/A	
Pearl-Cohn	Music Industry Survey (MNPS Special Course) 6042	Media Publishing I (MNPS Special Course) 6042	Media Publishing III ^{DC} (MNPS Special Course) 6042
Recording Industry Special Program of Study			
Certification/ Credential		N/A	
Pearl-Cohn	Music Industry Survey (MNPS Special Course) 6042	Recording Industry I (MNPS Special Course) 6042	Recording Industry II ^{DC} (MNPS Special Course) 6042

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka “double dipping”) in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Business Management and Administration

School	First Course	Second Course	Third Course
Business and Information Support (Office Management)			
Certification/ Credential		1. MOS- Microsoft Office Specialist	
Antioch	Business Communications 5888	Business Management 5889	Advanced Computer Applications 5904
Business Management			
Certification/ Credential		N/A	
Hunters Lane	Introduction to Business and Marketing 5905	Accounting I 5910	Business Management DC 5889
Virtual School	Business Principles 5905	Accounting I 5910	Virtual Enterprise ^{HQ} 5900 (Virtual Capstone Course: 1 credit)
	Introduction to Business Administration 0.5 credit	Introduction to Accounting 0.5 credit	
	Introduction to Social Media Marketing 0.5 credit	Introduction to Finance 0.5 credit	
Business Leadership Special Program of Study			
Certification/ Credential		N/A	
Hillwood	Marketing and Management Principals I ^{DC/HQ} 5931	Accounting I 5910	Entrepreneurship ^{DC/HQ} 5934
Healthcare Administration Special Program of Study			
Certification/ Credential		1. Certified Medical Administrative Assistant 2. Certified Health Records Specialist 3. Certified Associate in Healthcare Information and Management Systems 4. Certified Revenue Cycle Representative	
Cane Ridge	Health Administration I (MNPS Special Course) 5913	Health Administration II (MNPS Special Course) 5913	Healthcare Administration III (MNPS Special Course) TBD

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka "double dipping") in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Education and Training

School	First Course	Second Course	Third Course
Teaching as a Profession (K-12)			
Certification/ Credential		1. Education Fundamentals	
Antioch	Teaching as a Profession I 6010	Teaching as a Profession II 6125	Teaching as a Profession III ^{DC} 6126
Whites Creek	Teaching as a Profession I 6010	Teaching as a Profession II 6125	Teaching as a Profession III ^{DC} 6126

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka “double dipping”) in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. (*Name of Course*) indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Finance

School	First Course	Second Course	Third Course
Banking and Finance			
Certification/ Credential		1. Credit Union Financial Counseling Certification 2. Credit Union Compliance Expert Certification	
Antioch	Accounting I 5910	Accounting II ^{DE} 5911	Banking and Finance 5899
McGavock	Introduction to Business and Marketing 5905	Accounting I 5910	Banking and Finance 5899

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka “double dipping”) in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. (*Name of Course*) indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Health Sciences

School	First Course	Second Course	Third Course
Diagnostic Services			
Certification/ Credential		1. Certified EKG Technician 2. Certified Clinical Medical Assistant	
Glenclyff	Health Science Education 5998	Diagnostic Medicine 5994	Cardiovascular Services 6131
		Anatomy and Physiology ^{HQ} 5991 or 3251	
Hillwood	Health Science Education 5998	Diagnostic Medicine 5994	Cardiovascular Services 6131
		Anatomy and Physiology ^{HQ} 5991 or 3251	Clinical Internship 5993
Maplewood	Health Science Education 5998	Diagnostic Medicine 5994	Cardiovascular Services 6131
McGavock	Health Science Education 5998	Diagnostic Medicine 5994	Cardiovascular Services 6131
		Anatomy and Physiology ^{HQ} 5991 or 3251	Clinical Internship 5993
Overton	Health Science Education 5998	Diagnostic Medicine 5994	Cardiovascular Services 6131
		Anatomy and Physiology ^{HQ} 5991 or 3251	
Emergency Services			
Certification/ Credential		1. Certified Clinical Medical Assistant 2. Emergency Medical Responder	
Cane Ridge	Health Science Education 5998	Medical Therapeutics 5999	Emergency Medical Services 5995
Hillwood	Health Science Education 5998	Anatomy and Physiology ^{HQ} 5991 or 3251	Emergency Medical Services 5995
		Emergency Preparedness 6151	
Hunters Lane	Health Science Education 5998	Medical Therapeutics 5999	Emergency Medical Services 5995
		Anatomy and Physiology ^{HQ} 5991 or 3251	
Medical Interpreting (Special Program of Study)			
Certification/ Credential		1. Core Certification Healthcare Interpreter	
Glenclyff	Health Science Education 5998	Medical Terminology ^{DC/DE} 5883	Medical Sociology and Anthropology 5993
		Medical Spanish TBD	Anatomy and Physiology ^{HQ} 5991 or 3251
Overton	Health Science Education 5998	Anatomy and Physiology ^{HQ} 5991 or 3251	Medical Sociology and Anthropology 5993
		Medical Terminology ^{DC/DE} 5883	
		Medical Spanish TBD	

Public Health			
Certification/ Credential		1. Certified Clinical Medical Assistant	
Whites Creek	Health Science Education 5998	Emergency Preparedness 6151	Behavioral and Community Health 6130
			Global Health and Epidemiology 6132
Therapeutic Clinical Services			
Certification/ Credential		1. Certified Clinical Medical Assistant 2. Certified Patient Care Technician 3. Certified Pharmacy Technician 4. Personal Training Certification	
Cane Ridge	Health Science Education 5998	Medical Therapeutics 5999	Rehabilitation Careers 5990
Glenclyff	Health Science Education 5998	Medical Therapeutics 5999	Rehabilitation Careers 5990
		Anatomy and Physiology ^{HQ} 5991 or 3251	
Hillsboro	Health Science Education 5998	Medical Therapeutics 5999	Rehabilitation Careers 5990
		Anatomy and Physiology ^{HQ} 5991 or 3251	
Hillwood	Health Science Education 5998	Medical Therapeutics 5999	Clinical Internship TBD
		Anatomy and Physiology ^{HQ} 5991 or 3251	
Hunters Lane	Health Science Education 5998	Medical Therapeutics 5999	Rehabilitation Careers 5990
		Anatomy and Physiology ^{HQ} 5991 or 3251	
Maplewood	Health Science Education 5998	Medical Therapeutics 5999	Rehabilitation Careers 5990
McGavock	Health Science Education 5998	Medical Therapeutics 5999	Rehabilitation Careers 5990
		Anatomy and Physiology ^{HQ} 5991 or 3251	
Overton	Health Science Education 5998	Medical Therapeutics 5999	Rehabilitation Careers 5990
		Anatomy and Physiology ^{HQ} 5991 or 3251	
Whites Creek	Health Science Education 5998	Medical Therapeutics 5999	Anatomy and Physiology ^{HQ} 5991 or 3251

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka "double dipping") in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.
6. ***Any student that completes three courses in Health Science is eligible for Medical Terminology dual credit.***

Hospitality and Tourism

School	First Course	Second Course	Third Course
Culinary Arts			
Certification/ Credential		1. ABC Card 2. ProStart 3. ServSafe	
Antioch	Culinary Arts I 5979	Culinary Arts II 5980	Culinary Arts III ^{DC} 5981
Glenclyff	Culinary Arts I 5979	Culinary Arts II 5980	Culinary Arts III ^{DC} 5981
Hillwood	Culinary Arts I 5979	Culinary Arts II 5980	Culinary Arts III ^{DC} 5981
Hunters Lane	Culinary Arts I 5979	Culinary Arts II 5980	Culinary Arts III ^{DC} 5981
McGavock	Culinary Arts I 5979	Culinary Arts II 5980	Culinary Arts III ^{DC} 5981
McGavock			
Hospitality and Tourism Management			
Certification/ Credential		1. Hospitality and Tourism Management Professional 2. Guest Services Professional Gold	
Antioch	Marketing and Management Principles I ^{DC/HQ} 5931	Hospitality Management 5940	Event Planning and Management 6168
Hunters Lane	Hospitality and Tourism Exploration 5933	Hospitality Marketing 6169	Hospitality Management 5940
			Event Planning and Management 6168
McGavock	Hospitality and Tourism Exploration 5933	Hospitality Marketing 6169	Hospitality Management 5940

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka “double dipping”) in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Human Services

School	First Course	Second Course	Third Course
Social Services <i>(Social Health Services)</i>			
Certification/ Credential		1. Education Fundamentals 2. Early Childhood Education 3. Family and Community Services	
Antioch	Introduction to Human Studies 6137	Lifespan Development ^{DC} 6013	Family Studies 6136
Hunters Lane	Introduction to Human Studies 6137	Lifespan Development ^{DC} 6013	Family Studies 6136
Personal Care Services <i>(Cosmetology)</i>			
Certification/ Credential		N/A	
Maplewood	Principles of Cosmetology ^{DC} 5983	Design Principles of Cosmetology ^{DC} 5986	Chemistry of Cosmetology ^{DC} 5984
Pearl-Cohn	Principles of Cosmetology ^{DC} 5983	Design Principles of Cosmetology ^{DC} 5986	Chemistry of Cosmetology ^{DC} 5984

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka “double dipping”) in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Information Technology

School	First Course	Second Course	Third Course
Networking Systems			
Certification/ Credential		1. A+ 2. Net+ 3. Security+	
Overton	Information Technology Foundations 6095	Computer Systems 6094	Networking ^{DC} 6097
Programming and Software Development			
Certification/ Credential		Oracle Certified Associate Java C#	
Hunters Lane	Information Technology Foundations 6095	Programming and Logic I 6098	Programming and Logic II ^{DC} 6099
Overton	Information Technology Foundations 6095	Programming and Logic I 6098	Programming and Logic II ^{DC} 6099
			AP Computer Science 3635
			Programming and Software Development Practicum 5908
Stratford	Information Technology Foundations 6095	Programming and Logic I 6098	Programming and Logic II ^{DC} 6099
Web Design			
Certification/ Credential		1. Adobe Certified Associate (Photoshop, InDesign, Illustrator, Flash, Dreamweaver, or any area of Creative Suite) 2. Certified Internet Webmaster	
Glenciff	Information Technology Foundations 6095	Web Page Design Foundations I ^{DC} 6100	Web Page Design Site Designer II ^{DC} 6101
Overton	Information Technology Foundations 6095	Web Page Design Foundations I ^{DC} 6100	Web Page Design Site Designer II ^{DC} 6101

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka "double dipping") in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. (*Name of Course*) indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Law, Public Safety, Corrections, and Security

School	First Course	Second Course	Third Course
Law Enforcement Services			
Certification/ Credential		1. Dispatch and Security Certification for Emergency Telecommunications 2. Unarmed Security Guard	
Cane Ridge	Criminal Justice I ^{DC} 5987	Criminal Justice II ^{DC} 5987	Criminal Justice III ^{DC} 5988
McGavock	Criminal Justice I ^{DC} 5987	Criminal Justice II ^{DC} 5987	Criminal Justice III ^{DC} 5988
Stratford	Criminal Justice I ^{DC} 5987	Criminal Justice II ^{DC} 5987	Criminal Justice III ^{DC} 5988
White Creek	Criminal Justice I ^{DC} 5987	Criminal Justice II ^{DC} 5987	Criminal Justice III ^{DC} 5988
Legal Services (Legal and Correction Services)			
Certification/ Credential		1. Unarmed Security Guard	
Cane Ridge	Principles of Law, Corrections, and Safety 6155	Court Systems and Practices A 6150	Court Systems and Practices B 6150
		Criminal Justice I ^{DC} 5987	Work Based Learning Career Practicum 6105
McGavock	Criminal Justice I ^{DC} 5987	Criminal Justice II ^{DC} 5987	Criminal Justice III ^{DC} 5988
Whites Creek	Criminal Justice I ^{DC} 5987	Court Systems and Practices A 6150	Court Systems and Practices B 6150

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka "double dipping") in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Marketing

School	First Course	Second Course	Third Course
Entrepreneurship			
Certification/ Credential		N/A	
Antioch	Marketing and Management Principles I ^{DC/HQ} 5931	Marketing and Management Principles II: Advanced Strategies 5932	Entrepreneurship ^{DC/HQ} 5934
Glenclyff	Introduction to Business and Marketing 5905	Marketing and Management Principles I ^{DC/HQ} 5931	Entrepreneurship ^{DC/HQ} 5934
Hunters Lane	Marketing and Management Principles I ^{DC/HQ} 5931	Marketing and Management Principles II: Advanced Strategies 5932	Entrepreneurship ^{DC/HQ} 5934
Maplewood	Introduction to Business and Marketing 5905	Marketing and Management Principles I ^{DC/HQ} 5931	Marketing and Management Principles II: Advanced Strategies 5932
			Entrepreneurship ^{DC/HQ} 5934
McGavock	Introduction to Business and Marketing 5905	Marketing and Management Principles I ^{DC/HQ} 5931	Entrepreneurship ^{DC/HQ} 5934
Whites Creek	Introduction to Business and Marketing 5905	Marketing and Management Principles I ^{DC/HQ} 5931	Entrepreneurship ^{DC/HQ} 5934
Marketing Management (Entrepreneurship)			
Certification/ Credential		N/A	
Overton	Marketing and Management Principles I ^{DC/HQ} 5931	Entrepreneurship ^{DC/HQ} 5934	Event Planning and Management TBD
			Advertising and Public Relations 5936
Global Marketing and Logistics Special Program of Study			
Certification/ Credential		N/A	
Hillsboro	Marketing and Management Principles I ^{DC/HQ} 5931	Marketing and Management Principles II 5932	Banking and Finance ^{DC} 5899
			Global Marketing and Logistics ^{SC DC} (MNPS Special Course) 5942
Marketing Communication (Marketing Management)			
Certification/ Credential		N/A	
Hunters Lane	Marketing and Management Principles I ^{DC/HQ} 5931	Marketing and Management Principles II: Advanced Strategies 5932	Advertising and Public Relations 5936
Virtual School	Marketing and Management Principles I ^{DC/HQ} 5931	Web Page Design Foundations I 6100	Virtual Enterprise HQ 5900
	Introduction to Social	Web Design	(Virtual Capstone Course 1 credit)

	Media Marketing 0.5 credit	0.5 Credit	
	Introduction to Business Administration 0.5 credit	Digital Arts 0.5 Credits	
Entertainment Management (Marketing Management)			
Certification/ Credential		N/A	
Pearl-Cohn	Event Planning 6168	Marketing and Management I Principles ^{DC/HQ} 5931	Marketing and Management II 5932

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka "double dipping") in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.

Science, Technology, Engineering, and Mathematics

School	First Course	Second Course	Third Course
Engineering by Design			
Certification/ Credential		1. Autodesk Certified User (CAD, Revit, or Inventor) 2. OSHA 10	
McGavock	Foundations of Technology (EBD) 5917	Technological Design (EBD) ^{DC} 5885	Advanced Design Applications (EBD) ^{DC} 5920
			Engineering Design (EBD) ^{DC} 5921
Overton	Foundations of Technology (EBD) 5917	Technological Design (EBD) ^{DC} 5885	Advanced Design Applications (EBD) ^{DC} 5920
			Engineering Design (EBD) ^{DC} 5921
Stratford	Principles of Engineering and technology ^{DC} 5925	Engineering Design I 6139	Engineering Design II ^{DC} 6140
Engineering Project Lead the Way			
Certification/ Credential		1. Autodesk Certified User (CAD, Revit, or Inventor) 2. OSHA 10	
MLK	Introduction to Engineering (PLTW) ^{DC} 6054	Principles of Engineering (PLTW) ^{DC} 6052	Civil Engineering (PLTW) ^{DC} 6056
			Digital Electronics (PLTW) 6053
			Computer Integrated Manufacturing (PLTW) ^{DC} 6055
			Engineering Design and Development (PLTW) ^{DC} 6059
STEM Technology (Technology)			
Certification/ Credential		1. Autodesk Certified User (CAD, Revit, or Inventor) 2. OSHA 10	
Antioch	Principles of Engineering and Technology ^{DC} 5924	Digital Electronics ^{*/DC} 5925	Robotics and Automated Systems 6143
Glencliff	Principles of Engineering and Technology ^{DC} 5924	Engineering Software Applications ^{DC} 5930	Digital Electronics ^{DC} 5925
Biotechnology Special Program of Study			
Certification/ Credential		1. OSHA 10	
Stratford	Biotechnology I (MNPS Special Course) 3825	Biotechnology II (MNPS Special Course) 3825	Biotechnology III ^{DC} (MNPS Special Course) 3825

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka “double dipping”) in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit.
6. Digital Electronics * is a transition year during the 2015-2016 school year so both high school 10th grade students and high school 11th grade students will be enrolled in Digital Electronics. MNPS plans to add Mechatronics during the 2016-2017 school year.

Transportation, Distribution, and Logistics

School	First Course	Second Course	Third Course
Automotive Technology <i>(Automotive Maintenance and Light Repair)</i>			
Certification/ Credential		1. Automotive Service Excellence 2. OSHA 10	
Antioch	Maintenance and Light Repair I ^{DE} 5879	Maintenance and Light Repair II ^{DE} 5880	Maintenance and Light Repair III ^{DE} 5881
Maplewood	Maintenance and Light Repair I ^{DE} 5879	Maintenance and Light Repair II ^{DE} 5880	Maintenance and Light Repair III ^{DE} 5881
Whites Creek	Maintenance and Light Repair I ^{DE} 5879	Maintenance and Light Repair II ^{DE} 5880	Maintenance and Light Repair III ^{DE} 5881
Automotive Collision Repair			
Certification/ Credential		1. Automotive Service Excellence 2. OSHA 10	
McGavock	Introduction to Collision Repair	Collision Repair: Non-Structural ^{DE} 6062	Collision Repair: Painting and Refinishing ^{DE} 6063
Automotive Diesel Technology			
Certification/ Credential		1. OSHA 10	
McGavock	Automotive Diesel Technology I ^{DC}	Automotive Diesel Technology II ^{DC}	Automotive Diesel Technology III ^{DC}
Aviation Flight			
Certification/ Credential		1. OSHA 10	
McGavock	Introduction to Air and Space	Aviation I: Principles of Flight 6070	Aviation II: Advanced Flight ^{DC} 6148

Note:

1. HQ indicated this course can satisfy a graduation requirement (in addition to the pathway course aka “double dipping”) in a lab science if the teachers has HC status
2. DC indicates a CTE dual credit opportunity
3. *(Name of Course)* indicates a state pathway name that MNPS has branded with a different name
4. SPOS indicated Special Program of Study
5. Any student in this pathway and taking Personal Finance can earn dual credit

CTE Courses Satisfying Multiple Requirements: “Double Dipping”

Course Name	Career Cluster	Satisfies graduation Requirement
Agriscience	Agriculture	Lab Science
Veterinary Science	Agriculture	Lab Science
Agricultural Business and Finance	Agriculture	Personal Finance
Applied Environmental Science	Agriculture	Lab Science
AP Environmental Science	Agriculture	Lab Science/ AP Elective Focus
Entrepreneurship	Architecture and Construction Business Management Human Services Finance Hospitality and Tourism Marketing Transportation	Economics
Visual Arts	Arts, A/V Technology and Communications	Fine Arts
Business Economics	Business Management Finance	Economics
American Business Legal Systems	Business Management Finance	U.S. Government
Virtual Enterprise International	Business Management Marketing	Economics
Personal Finance	Business Management Finance Human Services Marketing	Personal Finance
U.S. Government and Civics	Government and Public Administration Law, Public Safety, Corrections and Security	U.S. Government
Anatomy and Physiology	Health Science	Lab Science
Biomedical Applications	Health Science	Lab Science
Forensic Science	Health Science	Lab Science
Nutrition Science and Diet Therapy	Health Science Human Services	Lab Science
Marketing and Management I	Hospitality and Tourism Marketing	Economics
AP Computer Science	Information Technology	AP Elective Focus/ Math
Retail Operations	Marketing	Economics
AP Physics	STEM	AP Elective Focus/ Math

Important Note: State Board of Education policy allows “double-dipping,” (fulfilling more than one graduation requirement with a single course) but your local school board could prohibit it. Please ensure your district does not explicitly forbid this type of scheduling.

Non-Career and Technical Education Pathways

School	First Course	Second Course	Third Course	Fourth Course
Visual Arts <i>Special Program of study</i>				
Certification/ Credential				
Cane Ridge	Art Survey	Visual Arts I	Visual Arts II	Visual Arts III
Innovative Art and Design				
Certification/ Credential				
Glenciff	Visual Arts I	Visual Arts II	Visual Arts III	Visual Art IV
			AP Art	AP Art
International Baccalaureate				
Certification/ Credential				
Hillsboro				
Interdisciplinary Science and Research				
Certification/ Credential				
Hillsboro				
Stratford	ISR I	ISR II	ISR III	ISR IV
Instrumental				
Certification/ Credential				
Overton				
Vocal				
Certification/ Credential				
Overton				