Career Cluster	Pathway	Program Name	Middle School Exploration	Cluster Courses - Introduction	Pathway Courses - Concentrator	Capstone Courses - Completer
Agriculture, Food & Natural Resources	Agribusiness Systems	**Agribusiness Systems**	0131 Agricultural Explorations; 0132 Agricultural Science	0133 Introduction to the Science of Agriculture; 0134 Physical Science of Agriculture	0137 Agricultural Leadership/Communication; 0171 Agricultural Economics & Business Management	0191 Agricultural Internship/OJT; 0192 Agriculture Entrepreneurship; 0199 Agriculture - Other
Agriculture, Food & Natural Resources	Power, Structural & Technical Systems	**Agricultural Engineering - CASE**	0131 Agricultural Explorations; 0132 Agricultural Science	0138 Introduction to Ag, Food & Natural Resources CASE	0156 Agricultural Power & Technology CASE; 0157 Mechanical Systems in Agriculture CASE	0197 Agricultural Research & Development CASE; 0199 Agriculture - Other; 0191 Ag Internship/OJT
Agriculture, Food & Natural Resources	Animal Systems	**Animal Science - CASE**	0131 Agricultural Explorations; 0132 Agricultural Science	0138 Introduction to Ag, Food & Natural Resources CASE	0166 Principles of Agricultural Science - Animal CASE; 0167 Animal & Plant Biotechnology CASE; 0177 Food Science and Safety CASE	0197 Agricultural Research & Development CASE; 0199 Agriculture - Other; 0191 Ag Internship/OJT
Agriculture, Food & Natural Resources	Animal Systems	**Animal Systems**	0131 Agricultural Explorations; 0132 Agricultural Science	0133 Introduction to the Science of Agriculture; 0134 Physical Science of Agriculture	0161 Science of Large Agriculture Animals; 0162 Science of Small Animals	0191 Agricultural Internship/OJT; 0192 Agriculture Entrepreneurship; 0199 Agriculture - Other
Agriculture, Food & Natural Resources	Food Products & Processing Systems	**Food Products & Processing Systems**	0131 Agricultural Explorations; 0132 Agricultural Science	0133 Introduction to the Science of Agriculture; 0134 Physical Science of Agriculture	0136 Applied Science in Agriculture; 0173 Food Products and Processing	0191 Agricultural Internship/OJT; 0192 Agricultural Entrepreneurship; 0199 Agriculture - Other
Agriculture, Food & Natural Resources	Agribusiness Systems	**General Agriculture**	0131 Agricultural Explorations; 0132 Agricultural Science	0133 Introduction to the Science of Agriculture; 0134 Physical Science of Agriculture	0141 Horticulture/Botany; 0161 Science of Large Agriculture Animals; 0171 Agricultural Economics & Business Management; 0181 Environmental Science/Natural Resources	0191 Agricultural Internship/OJT; 0192 Agriculture Entrepreneurship; 0199 Agriculture - Other
Agriculture, Food & Natural Resources	Natural Resources Systems	**Natural Resource Systems**	0131 Agricultural Explorations; 0132 Agricultural Science	0133 Introduction to the Science of Agriculture; 0134 Physical Science of Agriculture	0181 Environmental Science/Natural Resources; 0182 Forestry/Wildlife Management; 1774 Wildlife Science	0191 Agricultural Internship/OJT; 0199 Agriculture - Other; 1752 AP Environmental Science
Agriculture, Food & Natural Resources	Natural Resources Systems	**Natural Resources - CASE**	0131 Agricultural Explorations; 0132 Agricultural Science	0138 Introduction to Ag, Food & Natural Resources CASE	0186 Natural Resources and Ecology CASE; 0187 Environmental Science Issues CASE	0197 Agricultural Research & Development CASE; 0199 Agriculture - Other; 0191 Agricultural Internship/OJT; 1752 AP Environmental Science
Agriculture, Food & Natural Resources	Plant Systems	**Plant & Biotechnology Systems**	0131 Agricultural Explorations; 0132 Agricultural Science	0133 Introduction to the Science of Agriculture; 0134 Physical Science of Agriculture	0141 Horticulture/Botany; 0143 Greenhouse/Nursery; 0144 Landscape; 0145 Floriculture	0197 Agricultural Research & Development CASE; 0199 Agriculture - Other; 0191 Ag Internship/OJT
Agriculture, Food & Natural Resources	Plant Systems	**Plant Science - CASE**	0131 Agricultural Explorations; 0132 Agricultural Science	0138 Introduction to Ag, Food & Natural Resources CASE	0146 Principles of Agricultural Science -Plant CASE; 0167 Animal & Plant Biotechnology CASE; 0177 Food Science and Safety CASE	0197 Agricultural Research & Development CASE; 0199 Agriculture - Other; 0191 Agricultural Internship/OJT
Agriculture, Food & Natural Resources	Power, Structural & Technical Systems	**Power, Structural, & Technical Systems**	0131 Agricultural Explorations; 0132 Agricultural Science	0133 Introduction to the Science of Agriculture; 0134 Physical Science of Agriculture; 0151 Introduction to Ag Mechanics	0152 Ag Structures & Construction; 0153 Metal Fabrication for the Agricultural Industry; 0154 Ag Power & Machinery	0191 Agricultural Internship/OJT; 0192 Agriculture Entrepreneurship; 0199 Agriculture - Other
Architecture & Construction	Design/ Pre-Construction	**CAD Architecture**	0401 Construction Career Exploration; 0404 PLTW Green Architecture; 0701 Drafting Careers Exploration	0707 CAD Design & Software; 0480 NCCER Core Curriculum-Intro	0715 CAD Architecture II; 0716 CAD Architecture III; 0717 CAD Architecture IV	0798 Drafting-Co-Op; 0799 Drafting-Other
Architecture & Construction	Design/ Pre-Construction	**CAD Engineering**	0401 Construction Career Exploration; 0404 PLTW Green Architecture; 0701 Drafting Careers Exploration	0707 CAD Design & Software; 0480 NCCER Core Curriculum-Intro	0718 CAD Engineering II; 0719 CAD Engineering III; 0720 CAD Engineering IV	0798 Drafting-Co-Op; 0799 Drafting-Other
Architecture & Construction	Construction	**Carpentry**	0401 Construction Career Exploration; 0404 PLTW Green Architecture	0413 Apprenticeship Readiness; 0480 NCCER Core Curriculum-Intro;	0481 Carpentry 1; 0482 Carpentry 2; 0483 Carpentry 3; 0484 Carpentry 4	0498 Construction Trades-Internship; 0499 Construction Trades-Other
Architecture & Construction	Design/ Pre-Construction	**Civil Engineering - PLTW**	0404 PLTW Green Architecture; 1665 Design & Modeling	1615 Introduction to Engineering & Design; 0480 NCCER Core Curriculum-Intro	1619 PLTW Civil Engineering/Architecture	1620 PLTW Engineering Design/Development; 0798 Drafting-Co-Op; 0799 Drafting-Other
Architecture & Construction	Construction	**Low Voltage Electrical**		0413 Apprenticeship Readiness	0446 Low Voltage 1; 0447 Low Voltage 2	0498 Construction Trades-Internship; 0499 Construction Trades-Other
Architecture & Construction	Construction	**Electricity**	0401 Construction Career Exploration; 0404 PLTW Green Architecture	0413 Apprenticeship Readiness; 0441 Exploration of Electricity/Electronics; 0480 NCCER Core Curriculum-Intro;	0442 Electricity Comprehensive; 0443 Residential Wiring; 0444 Industrial Electricity; 0445 Topics in Electricity	0498 Construction Trades-Internship; 0499 Construction Trades-Other

Career Cluster	Pathway	Program Name	Middle School Exploration	Cluster Courses - Introduction	Pathway Courses - Concentrator	Capstone Courses - Completer
Architecture & Construction	Construction	Electricity & Electronics	0401 Construction Career Exploration; 0404 PLTW Green Architecture	0413 Apprenticeship Readiness; 0441 Exploration of Electricity/Electronics; 0480 NCCER Core Curriculum-Intro;	0452 Electronics-General; 0453 Topics in Electronics; 0462 Electricity/Electronics-General; 0494 Electricity/Electronics-Related Subjects	0498 Construction Trades-Internship; 0499 Construction Trades-Other
Architecture & Construction	Construction	HVAC	0401 Construction Career Exploration; 0404 PLTW Green Architecture	0413 Apprenticeship Readiness; 0431 HVAC 1; 0480 NCCER Core Curriculum-Intro;	0432 HVAC 2; 0436 Heating/Ventilation/Air Conditioning; 0437 Topics in HVACR	0498 Construction Trades-Internship; 0499 Construction Trades-Other
Architecture & Construction	Construction	Mixed Construction Trades	0401 Construction Career Exploration; 0404 PLTW Green Architecture	0402 Construction; 0413 Apprenticeship Readiness 0480 NCCER Core Curriculum-Intro;	0431 HVAC 1; 0438 Plumbing; 0442 Electricity-Comprehensive; 0423 Masonry	0498 Construction Trades-Internship; 0499 Construction Trades-Other
Architecture & Construction	Construction	Plumbing	0401 Construction Career Exploration; 0404 PLTW Green Architecture	0413 Apprenticeship Readiness; 0438 Plumbing; 0480 NCCER Core Curriculum-Intro;	0439 Plumbing & Heating	0498 Construction Trades-Internship; 0499 Construction Trades-Other
Architecture & Construction	Construction	Residential Construction	0401 Construction Career Exploration; 0404 PLTW Green Architecture	0413 Apprenticeship Readiness; 0414 Residential Construction I; 0480 NCCER Core Curriculum-Intro	0415 Residential Construction II	0498 Construction Trades-Internship; 0499 Construction Trades-Other
Arts, A/V Technology & Communications	Performing Arts	Careers in Performing Arts	1603 Career Exploration	1102 Dance Repertory; 1111 Introduction to the Theater; 1122 Concert Band; 1150 Introduction to Art; 1187 Introductory Visual Arts	1112 Drama/Stagecraft; 1113 Drama-Acting/Performance 1189 Visual Art-Other; 1194 Integrated Fine Arts	1186 Visual Art-Independent Study; 1195 Fine/Performing Art-Related 1196 Fine/Performing Art-Independent; 1197 Business of Arts/Media/Entertainment; 1199 Fine/Performing Arts-Other
Arts, A/V Technology & Communications	Media & Design Arts	Computer Graphics	0354 Art and Computer Science; 1603 Career Exploration	0310 Intro to 3D Design & Animation; 0315 Computer Graphics	0307 Computer Graphics II; 0308 Computer Graphics III; 0309 Computer Graphics IV	0397 Computer/Info Sc-OJT; 0399 Computer/Info Sc-Other
Arts, A/V Technology & Communications	Media & Design Arts	Mass Communications	1300 Communication Exploration	0805 Media Literacy; 1911 Mass Media-Production	1921 Mass Media-Communications; 1996 Multimedia Communications-Independent Study	0889 Academic Career Experience III; 0897 AP Seminar; 1199 Fine/Performing Art-Other; 1606 Work Experience
Arts, A/V Technology & Communications	Media & Design Arts	Media Production	1603 Career Exploration	0805 Media Literacy; 1172 Film/Videotape	1176 Digital Film Production II; 1177 Digital Film Production III; 1178 Digital Film Production IV; 1197 Business of Arts/Media/Entertainment	0889 Academic Career Experience III; 1199 Fine/Performing Art-Other; 1606 Work Experience
Arts, A/V Technology & Communications	Production & Managerial Arts	Set Design & Construction	0401 Construction Career Exploration	0416 Topics in Carpentry	0495 Construction Trades- Related Subjects; 1197 Business of Arts/Media/Entertainment	0889 Academic Career Experience III; 1199 Fine/Performing Art-Other; 1606 Work Experience
Business Management & Administration	Business Information Management	Business Information Management	0201 Business/Office Career Exploration	0221 Introductory Business	0313 Business Programming	0297 Business Work Experience/Co-op; 0299 Business-Other; 2060 AP Statistics
Business Management & Administration	General Management Pathway	Business Management	0201 Business/Office Career Exploration	0221 Introductory Business	0223 Business Management	0294 AP Microeconomics; 0295 AP Macroeconomics; 0297 Business Work Experience/Co-op; 0299 Business-Other
Business Management & Administration	General Management Pathway	Entrepreneurship	0201 Business/Office Career Exploration	0221 Introductory Business	0207 Accounting; 0224 Business Ownership and Entrepreneurship 0250 Business Law	0294 AP Microeconomics; 0295 AP Macroeconomics; 0297 Business Work Experience/Co-op; 0299 Business-Other
Business Management & Administration	Human Resources Management	Human Resources Management	0201 Business/Office Career Exploration	0221 Introductory Business	0267 Human Resource Management	0297 Business Work Experience/Co-op; 0299 Business-Other; 0897 AP Seminar
Business Management & Administration	High School of Business	High School of Business	0201 Business/Office Career Exploration	0233 Principles of Business/Economics (HSB)	0234 Principles of Marketing/Finance (HSB); 0235 Principles of Management/Business Strategies (HSB)	0294 AP Microeconomics; 0295 AP Macroeconomics; 0297 Business Work Experience/Co-op; 0299 Business-Other
Business Management & Administration	Operations Management	Warehouse Operations Management	0201 Business/Office Career Exploration	0221 Introductory Business	1813 Warehouse Operations	0294 AP Microeconomics; 0295 AP Macroeconomics; 0297 Business Work Experience/Co-op; 0299 Business-Other
Education & Training	Teaching/Training	Teacher Education	0525 Introduction to Leadership	0550 Child & Human Development	0562 Teacher Academy 1 (Education Methodology); 0563 Teacher Academy 2 (Education Internship)	0597 Teaching & Practicum -OJT; 0599 Family/Consumer Sc-Other; 2773 AP Psychology
Finance	Business Financial Management	Accounting	0201 Business/Office Career Exploration	0207 Accounting	0210 Advanced Accounting; 0212 Cost Accounting	0294 AP Microeconomics; 0295 AP Macroeconomics; 0297 Business Work Experience/Co-op; 0299 Business-Other; 2060 AP Statistics

Career Cluster	Pathway	Program Name	Middle School Exploration	Cluster Courses - Introduction	Pathway Courses - Concentrator	Capstone Courses - Completer
Finance	Banking & Related Services	Banking Services	0201 Business/Office Career Exploration	0221 Introductory Business	0225 Financial Services	0294 AP Microeconomics; 0295 AP Macroeconomics; 0297 Business Work Experience/Co-op; 0299 Business-Other; 2060 AP Statistics
Finance	Financial & Investment Planning	Financial Planning	0201 Business/Office Career Exploration	0231 Financial Spreadsheets	0225 Financial Services	0294 AP Microeconomics; 0295 AP Macroeconomics; 0297 Business Work Experience/Co-op; 0299 Business-Other; 2060 AP Statistics;
Finance	Insurance Services	Insurance	0201 Business/Office Career Exploration	0228 Personal & Business Finance	1825 Principals of Selling	0294 AP Microeconomics; 0295 AP Macroeconomics; 0297 Business Work Experience/Co-op; 0299 Business-Other; 2060 AP Statistics;
Government & Public Administration	Regulation	Environmental Protection	1603 Career Exploration	0250 Business Law	1751 Environmental Science	0297 Business Work Experience/Co-op; 1752 AP Environmental Science; 2598 Public Protective Social Services-Co-op; 2599 Public Protective Social Services-Other
Government & Public Administration	Governance	Political Science	0201 Business/Office Career Exploration	2501 Exploration of Public Service	2504 Public Administration	0297 Business Work Experience/Co-op; 0897 AP Seminar 2598 Public Protective Social Services-Co-op; 2737 AP Government & Politics: Comparative; 2799 Social Sciences/History-Other
Government & Public Administration	Public Management & Administration	Public Management & Administration	0201 Business/Office Career Exploration	0223 Business Management	2504 Public Administration	0897 AP Seminar; 2060 AP Statistics; 2598 Public Protective Social Services-Co-op; 2799 Social Sciences/History-Other
Government & Public Administration	Revenue & Taxation	Revenue & Taxation	0201 Business/Office Career Exploration	0207 Accounting	0239 Individual Taxation	0294 AP Microeconomics; 0295 AP Macroeconomics; 0297 Business Work Experience/Co-op; 0299 Business-Other
Government & Public Administration	National Security	Security Forces	0201 Business/Office Career Exploration	2501 Exploration of Public Service	2503 Community Protection	2736 AP Government and Politics: United States; 0297 Business Work Experience/Co-op; 2598 Public Protective Social Services-Co-op; 2799 Social Sciences/History-Other
Government & Public Administration	Planning	Urban and Regional Planning	0701 Drafting Careers Exploration; 1603 Career Exploration	2501 Exploration of Public Service	2543 Civil Engineering	0297 Business Work Experience/Co-op 0799 Drafting-Other; 0897 AP Seminar
Health Science	Therapeutic Services	Allied Health	1570 Medical Detectives PLTW; 1501 Health Care Occupations	1503 Allied Health Occupations	1506 Home Health Care; 1540 Sports Medicine; 1524 Dental Laboratory Technician; 1523 Dental Assisting	1597 Health Care Sciences-OJT; 1598 Health Care Sciences-Co-Op; 1599 Health Care Sciences-Other
Health Science	Diagnostic Services	Biomedical Sciences-PLTW	1570 Medical Detectives PLTW	1660 PLTW Principles of Biomedical Sciences-PLTW	1661 Human Body Systems-PLTW; 1662 Medical Intervention-PLTW	1664 Biomedical Innovation-PLTW; 1597 Health Care Sciences-OJT; 1598 Health Care Sciences-Co-Op; 1599 Health Care Sciences-Other
Health Science	Biotechnology Research & Development	Biotechnology	1501 Health Care Occupations; 1570 Medical Detectives PLTW	1551 Introduction to Biotechnology Research & Development	1550 Medical Anatomy & Physiology	1597 Health Care Sciences-OJT; 1598 Health Care Sciences-Co-Op; 1599 Health Care Sciences-Other; 1725 AP Chemistry
Health Science	Support Services	Central Service Technician	1501 Health Care Occupations Career Exploration; 1570 Medical Detectives PLTW; 1603 Career Exploration	1502 Health Care Occupations	1519 Central Service Technician	1597 Health Care Sciences-OJT; 1598 Health Care Sciences-Co-Op; 1599 Health Care Sciences-Other; 1715 AP Biology
Health Science	Health Informatics	Health Informatics-SREB	1603 Career Exploration	1560 Health Informatics Data & Use-AC	1561 Transforming Data into Information-AC; 1562 Transforming Data into Knowledge-AC	1563 Problems & Solutions-AC; 1597 Health Care Sciences-OJT; 1598 Health Care Sciences-Co-Op; 1599 Health Care Sciences-Other
Health Science	Support Services	Health Science Fundamentals	1501 Health Care Occupations; 1570 Medical Detectives PLTW	1502 Health Care Occupations	1550 Medical Anatomy & Physiology; 1520 Medical Terminology	1597 Health Care Sciences-OJT; 1598 Health Care Sciences-Co-Op; 1599 Health Care Sciences-Other; 1715 AP Biology; 1725 AP Chemistry
Health Science	Support Services	Medical Interpreter	1501 Health Care Occupations; 1570 Medical Detectives PLTW	1502 Health Care Occupations	1521 Spanish Medical Terminology	1597 Health Care Sciences-OJT; 1598 Health Care Sciences-Co-Op; 1599 Health Care Sciences-Other
Health Science	Support Services	Medical Office	1501 Health Care Occupations Career Exploration; 1570 Medical Detectives PLTW; 1603 Career Exploration	1502 Health Care Occupations	1513 Medical/Clerical Assisting; 1514 Medical Office	1597 Health Care Sciences-OJT; 1598 Health Care Sciences-Co-Op; 1599 Health Care Sciences-Other; 1715 AP Biology

Career Cluster	Pathway	Program Name	Middle School Exploration	Cluster Courses - Introduction	Pathway Courses - Concentrator	Capstone Courses - Completer
Health Science	Therapeutic Services	Pre-Nursing	1501 Health Care Occupations; 1570 Medical Detectives PLTW	1507 Nursing Science I	1504 Nursing-CNA; 1505 Nursing-LPN	1597 Health Care Sciences-OJT; 1598 Health Care Sciences-Co-Op; 1599 Health Care Sciences-Other; 1715 AP Biology; 1725 AP Chemistry
Health Science	Therapeutic Services	Veterinary Technician	1501 Health Care Occupations; 1570 Medical Detectives PLTW; 0131 Agricultural Explorations; 0132 Agricultural Science	0133 Introduction to the Science of Agriculture; 0134 Physical Science of Agriculture	0161 Science of Large Agriculture Animals; 0162 Science of Small Animals	0164 Veterinary Science/Technician 0191 Ag Internship/OJT; 0199 Agriculture - Other; 1597 Health Care Sciences-OJT; 1599 Health Care Sciences-Other;
Hospitality & Tourism	Lodging	Lodging	0525 Introduction to Leadership	0261 Hospitality & Tourism	0265 Hotel Management I; 0266 Hotel/Lodging Management II	0269 Hotel Management Internship; 0549 Lodging Management Internship
Hospitality & Tourism	Recreation, Amusements & Attractions	Recreation, Amusements & Attractions		0261 Hospitality & Tourism	0530 Hospitality Entrepreneurship	0297 Business Work Experience/Co-Op; 0299 Business-Other
Hospitality & Tourism	Restaurants & Food/Beverage Services	Restaurants & Food/Beverage Services-ProStart	0501 Family/Consumer Sc-Exploratory; 0503 Basic Foods	0504 Nutrition; 0532 ProStart I	0533 ProStart II	0539 ProStart Internship; 0599 Family/Consumer Sc-Other
Hospitality & Tourism	Restaurants & Food/Beverage Services	Restaurants & Food/Beverage Services-ProStart	0501 Family/Consumer Sc-Exploratory; 0503 Basic Foods	0504 Nutrition; 0540 Introduction to Hospitality & Tourism	0508 Culinary Arts; 0528 Hospitality/Tourism/Recreation	0297 Business Work Experience/Co-Op; 0530 Hospitality Entrepreneurship; 0549 Lodging Management Internship; 0599 Family/Consumer Sc-Other
Hospitality & Tourism	Travel & Tourism	Travel & Tourism	0525 Introduction to Leadership	0540 Introduction to Hospitality & Tourism	0528 Hospitality/Tourism/Recreation; 0530 Hospitality Entrepreneurship	0297 Business Work Experience/Co-Op; 0599 Family/Consumer Sc-Other
Human Services	Consumer Services	Consumer Services	0525 Introduction to Leadership	2501 Exploration of Public Service	2504 Public Administration; 2595 Public Protective Social Services-Subject	2598 Public Protective Social Services-Co-Op; 2599 Public Protective Social Services-Other; 2773 AP Psychology
Human Services	Counseling & Mental Health Services	Counseling	0525 Introduction to Leadership	0550 Child & Human Development	0521 Human Growth & Behavior	0597 Teaching & Practicum -OJT; 0599 Family/Consumer Sc-Other; 2773 AP Psychology
Human Services	Early Childhood Development & Services	Early Childhood Development	0525 Introduction to Leadership	0550 Child & Human Development	0552 Child Development Lab; 0553 Child Development Lab II; 0554 Child Development Lab III; 0555 Child Development Lab IV; 0519 Child Care/Work Experience	0597 Teaching & Practicum -OJT; 0599 Family/Consumer Sc-Other; 2773 AP Psychology
Human Services	Family & Community Services	Family & Community Services	0525 Introduction to Leadership	0517 Consumer Economics/Personal Finance	0520 Elder Care/Gerontology	0597 Teaching & Practicum -OJT; 0599 Family/Consumer Sc-Other; 2773 AP Psychology
Human Services	Personal Care Services	Personal Care Human Services	0525 Introduction to Leadership	0603 Cosmetology-Licensing	0605 Cosmetology-Non-licensing; 0604 Barbering; 0606 Cosmetology-Nail Specialization; 0607 Cosmetology Facial Specialize; 0695 Cosmetology-Related Subjects	0698 Cosmetology-Internship; 0699 Cosmetology-Other
Information Technology	Information Support & Services	Computer Technology Assistant	0317 Computer Technology	0320 Computer Technology Assistant I	0321 Computer Technology Assistant II; 0322 Computer Technology Assistant III; 0336 AP Computer Science Principles	0336 AP Computer Science Principles; 0327 AP Computer Science A; 0397 Computer/IT Sc-OJT; 0399 Computer/IT Sciences-Other
Information Technology	Information Support & Services	Database Design & Programming-Oracle	0313 Business Programming	0314 Database Foundations-Oracle Academy	0330 Database Design/Programming-Oracle Academy; 0336 AP Computer Science Principles	0331 Database Programming w/PL/SQL; 0397 Computer/IT Sc-OJT; 0399 Computer/IT Sciences-Other
Information Technology	Information Support & Services	Informatics-SREB	0312 CS/Programming	0332 Computers, Networks & Databases-AC	0333 Design for the Digital World-AC; 0334 Databases in the Cloud-AC; 0336 AP Computer Science Principles	0335 Developing a Cloud Presence-AC; 0397 Computer/IT Sc-OJT; 0399 Computer/IT Sciences-Other
Information Technology	Network Systems	Networking	0317 Computer Technology	0318 Network Technology	0319 Computer Networking II	0397 Computer/IT Sc-OJT; 0399 Computer/IT Sciences-Other
Information Technology	Network Systems	Networking Academy - Cisco	0317 Computer Technology	0341 CCNA Routing & Switching Part 1-Cisco Academy	0342 CCNA Routing & Switching Part 2	0397 Computer/IT Sc-OJT; 0399 Computer/IT Sciences-Other
Information Technology	Programming & Software Development	Cybersecurity	0312 CS/Programming	0323 Computer Science/Programming 0350 Cyber Literacy	0351 Cyber Literacy 2 0353 Cyber and Society 0336 AP Computer Science Principles	0352 Cybersecurity 0397 Computer/IT Sc-OJT 0399 Computer/IT Sciences-Other
Information Technology	Programming & Software Development	Programming & Cybersecurity-PLTW	0348 App Creators-PLTW; 0349 Computer Science for Innovators & Makers	0344 Computer Science Essentials-PLTW	0345 AP Computer Science Principles-PLTW; 0346 AP Computer Science A-PLTW	0346 AP Computer Science A-PLTW 0347 Cybersecurity-PLTW; 0397 Computer/IT Sc-OJT; 0399 Computer/IT Sciences-Other
Information Technology	Programming & Software Development	Computer Science	0312 CS/Programming	0323 Computer Science/Programming	0324 Programming; 0325 Advanced Programming; 0326 Computer Programming-Other Lang	0397 Computer/IT Sc-OJT; 0399 Computer/IT Sciences-Other; 0336 AP Computer Science Principles; 0327 AP Computer Science A
Law, Public Safety, Corrections & Security	Emergency & Fire Management Services	Emergency & Fire Management	1405 Safety & First Aid	2501 Exploration of Public Service	2523 Fire Fighting; 1517 Emergency Medical Technician (Career/Technical)	2598 Public Protective Social Services-Co-op; 2599 Public Protective Social Services-Other

Career Cluster	Pathway	Program Name	Middle School Exploration	Cluster Courses - Introduction	Pathway Courses - Concentrator	Capstone Courses - Completer
Law, Public Safety, Corrections & Security	Emergency & Fire Management Services	Emergency Medical Technician-Basic	1405 Safety & First Aid 1501 Health Care Occupations Career	1502 Health Care Occupations	1516 EKG Technician; 1517 Emergency Medical Technician; 1550 Medical Anatomy & Physiology; 1792 Emergency Medical Tech (Applied Science)	1597 Health Care Sciences-OJT; 1598 Health Care Sciences-Co-Op; 1599 Health Care Sciences-Other
Law, Public Safety, Corrections & Security	Legal Services	Law	1603 Career Exploration	2761 Law Studies	2763 Business Law; 2762 Consumer Law; 2765 Mock Trial	0897 AP Seminar; 2598 Public Protective Social Services-Co-op; 2599 Public Protective Social Services-Other; 2773 AP Psychology
Law, Public Safety, Corrections & Security	Law Enforcement Services	Law Enforcement	1603 Career Exploration	2501 Exploration of Public Service	2513 Criminal Justice Assisting; 1718 Forensic Science; 2761 Law Studies; 2503 Community Protection	2598 Public Protective Social Services-Co-op; 2599 Public Protective
Law, Public Safety, Corrections & Security	Security & Protective Services	Military Science	1603 Career Exploration	2111 Introduction to ROTC	2112 Military ROTC; 2121 ROTC Drill; 2195 Military Science-Related Subjects	2199 Military Science-Other
Manufacturing	Production	Automated Materials Joining-SREB	1603 Career Exploration	1636 Introduction to Automated Materials Joining-AC	1637 Applications in Automated Materials Joining-AC; 1638 Advanced Concepts in Materials Joining-AC	1639 Projects in Automated Materials Joining-AC; 1606 Work Experience
Manufacturing	Manufacturing Production Process Development	Computer Integrated Manufacturing-PLTW	1668 Automation & Robotics-PLTW; 1602 Gateway to Technology-PLTW	1615 Introduction to Engineering Design-PLTW	1618 Computer Integrated Manufacturing-PLTW	1620 PLTW Capstone-Engineering Design/Development; 1606 Work Experience
Manufacturing	Quality Assurance	Integrated Production Technologies-SREB	1603 Career Exploration	1683 Advanced Technology for Design & Production-AC	1684 Systems of Advanced Technology-AC; 1685 Mechatronic Systems for Advanced Production-AC	1686 Design for the Production of Advanced Products-AC; 1606 Work Experience
Manufacturing	Maintenance, Installation & Repair	Maintenance, Installation & Repair	0401 Construction Career Exploration	0462 Electricity/Electronics-General	0473 Building Maintenance; 1634 Equipment Maintenance & Repair	0498 Construction Trades-Internship; 0499 Construction Trades-Other
Manufacturing	Manufacturing Production Process Development	Manufacturing Systems	1603 Career Exploration	1623 Production Systems	1624 Manufacturing Systems	1699 Technology Education-Other; 1606 Work Experience
Manufacturing	Manufacturing Production Process Development	Welding	0401 Construction Career Exploration	2414 Welding	2415 Particular Topics in Welding; 2416 Welding 2; 2417 Welding 3	2497 Precision Metalwork-OJT; 2498 Precision Metalwork-Co-Op; 2499 Precision Metalwork-Other
Marketing	Marketing Communications	Marketing Communications	1801 Marketing Career Exploration	1802 Principles of Marketing - Fundamentals	1824 Principles of Advertising; 1832 Marketing Strategy	0897 AP Seminar; 1808 Marketing Lab Advanced; 1897 Marketing-Mentorship/Internship; 1898 Marketing Work Experience-Co-Op; 1899 Marketing-Other
Marketing	Marketing Management	Marketing Management	1801 Marketing Career Exploration	1802 Principles of Marketing - Fundamentals	1826 Marketing Management	1808 Marketing Lab Advanced; 1897 Marketing-Mentorship/Internship; 1898 Marketing Work Experience-Co-Op; 1899 Marketing-Other
Marketing	Marketing Research	Marketing Research	1801 Marketing Career Exploration	1802 Principles of Marketing - Fundamentals	1834 Marketing Research	0897 AP Seminar; 1808 Marketing Lab Advanced; 1897 Marketing-Mentorship/Internship; 1898 Marketing Work Experience-Co-Op; 1899 Marketing-Other
Marketing	Merchandising	Merchandising	1801 Marketing Career Exploration	1802 Principles of Marketing - Fundamentals	1814 Retail Marketing	1808 Marketing Lab Advanced; 1897 Marketing-Mentorship/Internship; 1898 Marketing Work Experience-Co-Op; 1899 Marketing-Other
Marketing	Professional Sales	Professional Sales	1801 Marketing Career Exploration	1825 Principles of Selling	1807 Marketing Lab; 1804 Marketing-Real Estate	1808 Marketing Lab Advanced; 1897 Marketing-Mentorship/Internship; 1898 Marketing Work Experience-Co-Op; 1899 Marketing-Other
Science, Technology, Engineering & Mathematics	Engineering & Technology	Aerospace Engineering - SREB	1603 Career Exploration	1674 Fundamentals Aerospace Tech-AC	1675 Advanced Aerospace Technology-AC; 1676 Aeronautics Engineering Applications-AC	1606 Work Experience; 1677 Astronautics Engineering Applications-AC; 1699 Technology Education- Other; 1739 AP Physics 1; 1740 AP Physics 2
Science, Technology, Engineering & Mathematics	Engineering & Technology	Aerospace Rocketry Engineering - SystemsGo	1603 Career Exploration	1644 SystemsGo/Intro to Engineering	1645 SystemsGo Tsiolkovsky Level;	1606 Work Experience; 1646 SystemsGo Oberth Level; 1647 SystemsGo Goddard Level; 1699 Technology Education - Other
Science, Technology, Engineering & Mathematics	Science & Mathematics	Clean Energy Technology - SREB	1603 Career Exploration	1678 Clean Energy Systems-AC	1679 Clean Energy Applications-AC; 1680 Clean Energy Strategies-AC	1606 Work Experience; 1681 Clean Energy Innovations-AC; 1699 Technology Education- Other;
Science, Technology, Engineering & Mathematics	Engineering & Technology	Energy & Power - SREB	1603 Career Exploration	0964 Energy & Power Foundations-AC	0965 Energy Transmission & Distribution-AC; 0966 Electronics & Control Systems-AC	0967 Advanced Science & Engineering Systems-AC; 1606 Work Experience; 1699 Technology Education- Other

Career Cluster	Pathway	Program Name	Middle School Exploration	Cluster Courses - Introduction	Pathway Courses - Concentrator	Capstone Courses - Completer
Science, Technology, Engineering & Mathematics	Engineering & Technology	Engineering - PLTW	1602 Gateway to Technology-PLTW (or other PLTW MS courses that are part of GTT)	1615 Introduction to Engineering Design-PLTW	1617 Principles of Engineering-PLTW; 1616 Digital Electronics-PLTW; 1621 Aerospace Engineering-PLTW; 0183 PLTW Environmental Sustainability	1606 Work Experience; 1620 Capstone-Engineering Design/Development-PLTW; 1699 Technology Education- Other; 1739 AP Physics 1; 1740 AP Physics 2
Science, Technology, Engineering & Mathematics	Engineering & Technology	Energy & Natural Resource Management	1603 Career Exploration	1687 Foundations of Energy and Natural Resources Management	1688 Energy and Power - Generation and Distribution; 1689 Applications of Integrated Energy Systems	1690 Energy and Natural Resources Management Practicum and Advanced Applications; 1697 Technology Education - OJT; 1699 Technology Education- Other
Science, Technology, Engineering & Mathematics	Science & Mathematics	Innovations in Science & Technology - SREB	1603 Career Exploration	1670 Nature of Science/Technology-AC	1671 Core Applications of Science/Technology-AC; 1672 Impacts of Science/Technology-AC	1606 Work Experience; 1673 Creativity & Innovations-AC; 1699 Technology Education- Other
Transportation, Distribution & Logistics	Facility & Mobile Equipment Maintenance	Aircraft Maintenance	1603 Career Exploration	0922 Aircraft Power Plant	0923 Aircraft Airframe; 0953 Aviation; 0955 Aviation II	0998 Transportation Tech-Internship; 0999 Transportation Tech-Other
Transportation, Distribution & Logistics	Facility & Mobile Equipment Maintenance	Automotive Technology	1603 Career Exploration	0901 Introduction to Automobiles; 0912 Automobile Technology-Comprehensive; 0918 Small Engine Mechanics	0920 Auto Tech 2; 0921 Auto Tech 3	0998 Transportation Tech-Internship; 0999 Transportation Tech-Other
Transportation, Distribution & Logistics	Facility & Mobile Equipment Maintenance	Collision Repair	1603 Career Exploration	0933 Auto Detailing/Reconditioning	0942 Auto Body Repair/Refinishing-General; 0943 Particular Topics in Automotive Body Repair & Refinishing	0998 Transportation Tech-Internship; 0999 Transportation Tech-Other
Transportation, Distribution & Logistics	Facility & Mobile Equipment Maintenance	Diesel Mechanics	1603 Career Exploration	0915 Diesel Mechanics-General	0916 Diesel Mechanics-Various Topics	0998 Transportation Tech-Internship; 0999 Transportation Tech-Other
Transportation, Distribution & Logistics	Logistics Planning & Management Services	Global Logistics & Supply Chain Management - SREB	1603 Career Exploration	0925 Introduction to Logistics-AC	0926 Functional Areas in Logistics-AC; 0927 Global Logistics Management-AC	0928 Logistics & Supply Chain Management-AC; 0998 Transportation Tech-Internship; 0999 Transportation Tech-Other
Transportation, Distribution & Logistics	Health, Safety & Environmental Management	Health, Safety & Environmental Management	1603 Career Exploration	1611 General Technology Education	1614 Industrial Safety/First Aid	0897 AP Seminar; 0998 Transportation Tech-Internship; 0999 Transportation Tech-Other; 1752 AP Environmental Science
Transportation, Distribution & Logistics	Sales & Service	Sales & Service	1603 Career Exploration	0912 Automobile Technology-Comprehensive	1805 Marketing-Transportation	0998 Transportation Tech-Internship; 0999 Transportation Tech-Other
Transportation, Distribution & Logistics	Transportation Operations	Transportation Operations	1603 Career Exploration	0911 Introduction to Transportation	0963 Energy/Power	0998 Transportation Tech-Internship; 0999 Transportation Tech-Other
Transportation, Distribution & Logistics	Transportation Systems/Infrastructure Planning, Management & Regulation	Transportation Systems/Infrastructure Planning, Management & Regulation	1603 Career Exploration	1625 Technology Systems	1695 Technology Education-Related	0998 Transportation Tech-Internship; 0999 Transportation Tech-Other
Transportation, Distribution & Logistics	Warehousing & Distribution Center Operations	Warehousing & Distribution Center Operations	1603 Career Exploration	1623 Production Systems	1813 Warehouse Operations	1606 Work Experience; 1699 Technology Education-Other