



**KEEPING OPTIONS OPEN / TECHNICAL COLLEGE PREPARATION  
ARTICULATION AGREEMENT  
BETWEEN  
SHAWNEE MISSION SCHOOLS AND JOHNSON COUNTY COMMUNITY COLLEGE**

**INDUSTRIAL,  
MANUFACTURING, AND  
ENGINEERING SYSTEMS  
CLUSTER**

GRADE 11	GRADE 12	JOHNSON COUNTY COMMUNITY COLLEGE		
English 11  Algebra II  Chemistry I or Physics I or II or Technical Physics or Environmental Ed. I  American History  World Language Elective	English 12  Precalculus or College Prep Math or Probability and Statistics or Discrete Mathematics  Physics I or II or Technical Physics or Environmental Ed. I or II  American Government  World Language Elective	<b>AUTOMOTIVE TECHNOLOGY</b>  <b>CIVIL ENGINEERING TECHNOLOGY</b>  <b>DRAFTING TECHNOLOGY</b>  <b>ELECTRICAL TECHNOLOGY</b>  <b>ELECTRONICS TECHNOLOGY</b>  <b>HEATING, VENTILATION AND AIR CONDITIONING TECHNOLOGY</b>  <b>INDUSTRIAL MAINTENANCE</b>  <b>METAL FABRICATION TECHNOLOGY</b>  <b>POWER PLANT TECHNOLOGY</b>  <b>RAILROAD OPERATIONS</b>		
<p align="center"><b>SHAWNEE MISSION ELECTIVES</b></p> <table border="0"> <tr> <td>               Auto Technology                Auto Technology Advanced*                Auto Service                Small Engine Repair 1* &amp; 2                Wood Design 2                Welding*                Carpentry                Cabinetry 1 &amp; 2                Wood/Metal Production 1                Metal Production 2                Computer Applications*             </td> <td>               Digital Business                Intro to Computer-Aided Design*                Computer-Aided Architectural Design*                Computer-Aided Industrial Design                Advanced Technical Design*                Technology Investigations                Pre-Engineering 1, 2 &amp; 3                Networking &amp; Comp. Service 1*                Networking &amp; Comp. Service 2*             </td> </tr> </table> <p>* Provides advanced standing credit at JCCC.</p>		Auto Technology Auto Technology Advanced* Auto Service Small Engine Repair 1* & 2 Wood Design 2 Welding* Carpentry Cabinetry 1 & 2 Wood/Metal Production 1 Metal Production 2 Computer Applications*	Digital Business Intro to Computer-Aided Design* Computer-Aided Architectural Design* Computer-Aided Industrial Design Advanced Technical Design* Technology Investigations Pre-Engineering 1, 2 & 3 Networking & Comp. Service 1* Networking & Comp. Service 2*	
Auto Technology Auto Technology Advanced* Auto Service Small Engine Repair 1* & 2 Wood Design 2 Welding* Carpentry Cabinetry 1 & 2 Wood/Metal Production 1 Metal Production 2 Computer Applications*	Digital Business Intro to Computer-Aided Design* Computer-Aided Architectural Design* Computer-Aided Industrial Design Advanced Technical Design* Technology Investigations Pre-Engineering 1, 2 & 3 Networking & Comp. Service 1* Networking & Comp. Service 2*			

**ADVANCED STANDING CREDITS**

HIGH SCHOOL	APPLICABLE PROGRAM	JCCC EQUIVALENT	
Course #    Name		Course #    Name	
6682    Auto Technology (1) AND	<b>AUTOMOTIVE TECHNOLOGY</b> <b>AUTOMOTIVE TECHNOLOGY</b> <b>AUTOMOTIVE TECHNOLOGY</b> <b>AUTOMOTIVE TECHNOLOGY</b>	AUTO 125    Intro. to Auto Shop Prac. (3)	
6681    Auto Technology Adv. (2)			
6136    Computer Applications (1/2)			CPCA 105    Intro. to Personal Comp. (1)
7004    Small Engine Repair (2)			AUTO 121    Small Engine Service (3)
6755    Intro to Computer-Aided Design (1) AND	<b>DRAFTING TECHNOLOGY</b> <b>DRAFTING TECHNOLOGY</b> <b>DRAFTING TECHNOLOGY</b> <b>DRAFTING TECHNOLOGY</b>	DRAF 120    Intro to Drafting (2) AND	
6756    Computer-Aided Architectural Design (1) AND			DRAF 130    Intro to CAD Concepts: AutoCAD (3)
6757    Computer-Aided Industrial Design (1)			
6758    Advanced Technical Design			DRAF 140    Topics in CAD (2)
6906    Welding (2)	<b>METAL FABRICATION TECH.</b> <b>METAL FABRICATION TECH.</b>	MFAB 121    Intro. to Welding (4)	
6136    Computer Applications (1/2)			CPCA 105    Intro to Personal Comp. (1)
6136    Computer Applications (1/2)	<b>RAILROAD OPERATIONS</b>	CPCA 105    Intro to Personal Comp. (1)	
(High School Credits)		(JCCC Credits)	