

Construction Technology Construction Carpenter
Maysville Community & Technical College
Program Coordinator: John King 606/783-1538 ext 66332 Rowan Campus Office A303

**Open
Diploma**

[Academic Plan Code: 4602014019; Academic Program Code:]

General Education & Support Classes	Credit Hours	Semester Taken
Area 1 = Writing/Accessing Information, Oral Communications, Humanities, or Heritage	3	
Area 2 = Social Science, Behavioral Science, Natural or Applied Science or Mathematics	3	
Area 3 = Computer Literacy course or demonstrated competency	0-3	
Subtotal	6-9	
<i>Note: Computer Literacy must be demonstrated either by competency exam or by completing an approved computer literacy course.</i>		
<i>Note: WPP200 or EFM100 may be taken for 3 credit hours of Social Interaction to meet the Diploma General Education requirements.</i>		

Notes:

1. Additional electives can lead to AAS degree in GOTS- -see check sheet.
2. Required minimum ACT or COMPASS scores

	Math	Reading	Writing
ACT	19	20	18
COMPASS	25-33	62-67	32

see COMPASS Placement Scores in Master Advising Quick Guide for placement into developmental courses.

3. If you change from a certificate to a diploma or a degree program, additional reading and writing requirements must be met.

Core Requirements <i>Taken upon program admission</i>	Credit Hours	Semester Taken
BRX 220 Blueprint Reading For Construction	3	
CAR 126 Intro to Construction	3	
CAR127 Intro to Construction-Lab	1	
CAR 140 Surveying & Foundations	3	
CAR 141 Surveying & Foundations-Lab	2	
CAR 190 Light Frame Construction I	3	
CAR 191 Light Frame Const. I-Lab	2	
CAR 196 Light Frame Construction II	3	
CAR 197 Light Frame Const. II-Lab	2	
CAR 200 Light Frame Construction III	3	
CAR 201Light Frame Const. III-Lab	2	
CAR 298 Practicum in Construction	2	
OR		
CAR 299 Co-op in Construction	(2)	
ISX100 Industrial Safety	3	
Technical Electives	10	
Subtotal	42-47	
Total	48-51	

Technical Electives	Credit Hours	Semester Taken
*Technical Electives: (This list is not all inclusive. Other courses [technical or general education] may be taken as approved by Construction Technology instructor.)		
BRX 120 Basic Blueprint Reading	3	
CAR 150 Construction Formwork	3	
CAR 151 Construction Formwork - Lab	2	
CAR 198 Special Topics in Construction	1 - 6	
CAR 240 Light Frame Construction IV	3	
CAR 241 Light Frame Const. IV-Lab	2	

Diploma-Construction Carpentry

	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
First Year Summer Term	MT	105	Business Mathematics	3
			Subtotal	3

	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
First Year Fall Term	BRX	220	Blueprint Reading for Construction	3
	CAR	126	Intro to Construction	3
	CAR	127	Intro to Construction -Lab	1
	CAR	140	Construction Surveying and Foundation Systems	3
	CAR	141	Construction Surveying and Foundation Systems-Lab	2
	CAR	190	Light Frame Construction I- Floors and Walls	3
	CAR	191	Light Frame Construction I-Floors and Walls- Lab	2
			Subtotal	17

	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
First Year Spring Term	CAR	196	Light Frame Construction II-Ceilings and Walls	3
	CAR	197	Light Frame Construction II-Ceilings and Walls-Lab	2
	ISX	100	Industrial Safety	3
	CAR	200	Light Frame Construction III-Exterior and Interior Finish	3
	CAR	201	Light Frame Construction III-Exterior and Interior Finish-Lab	2
			Subtotal	13

	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
Second Year Summer Term			General Education	3
			Computer Literacy	0-3
			Subtotal	3-6

	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
Second Year Fall Term	CAR	298	Practicum in Construction (OR)	2
	CAR	299	Cooperative Education in Construction Program	(2)
			Electives	10
			Subtotal	12
		Total Credits	48-51	

Construction Technology
Maysville Community & Technical College
Rowan Campus Program Coordinator: John King

Open
Certificates

606/783-1538 ext 66332 Office A303

The Construction Technology program is designed to prepare students for entry level positions in the construction industry. Residential and light commercial construction applications are taught. This program includes instructional units in blueprint reading, building site layout procedures, foundation systems, light framing construction methods, exterior and interior finish systems, concrete forming systems and construction safety. Units of instruction are designed to include lecture and practical experience in the lab or on-site projects. This program also offers an excellent prerequisite for students that plan to pursue a career in areas such as construction management, civil engineering or architectural design.

Progression in the Construction Technology Program is contingent upon achievement of a grade of “C” or better in each technical and mathematics course and maintenance of a 2.0 cumulative grade point average or better (on a 4.0 scale).

Carpentry Certificate Carpenter Helper
[Academic Plan Code: 4602013109 ; Academic Program Code:]

Core Requirements	Credit Hours	Semester Taken	Core Requirements	Credit Hours	Semester Taken
BRX 220 Blueprint Reading for Construction	3		CAR 190 Light Frame Construction I – Floors and Walls	3	
CAR 126 Intro to Construction	3		CAR 191 Light Frame Construction I – Floors and Walls (Lab)	2	
CAR 127 Intro to Construction-Lab	1				
CAR 140 Surveying & Foundations	3				
CAR 141 Surveying & Foundations-Lab	2				
Carpenter Helper Certificate 17 Credit Hours Total					

Carpentry Certificate Construction Forms Helper
[Academic Plan Code: 4602013029; Academic Program Code:]

Core Requirements	Credit Hours	Semester Taken	Core Requirements	Credit Hours	Semester Taken
BRX 220 Blueprint Reading for Construction	3		Electives: (*Suggested Technical Electives List attached)	6	
CAR 126 Intro to Construction	3				
CAR 127 Intro to Construction-Lab	1				
CAR 150 Construction Formwork	3				
CAR 151 Construction Formwork - Lab	2				
Construction Forms Helper Certificate 18 Credit Hours Total					

Carpentry Certificate Residential Carpenter
[Academic Plan Code: 4602013059; Academic Program Code:]

Core Requirements	Credit Hours	Semester Taken	Core Requirements	Credit Hours	Semester Taken
BRX 220 Blueprint Reading for Construction	3		CAR 196 Light Frame Construction II – Ceilings and Roofs	3	
CAR 126 Intro to Construction	3		CAR 197 Light Frame Construction II – Ceilings and Roofs (Lab)	2	
CAR 127 Intro to Construction-Lab	1		CAR 200 Light Frame Construction III – Exterior and Interior Finish	3	
CAR 140 Surveying & Foundations	3		CAR 201 Light Frame Construction III – Exterior and Interior Finish (Lab)	2	
CAR 141 Surveying & Foundations-Lab	2		CAR 240 Light Frame Construction IV – Cabinetry and Trim Carpentry Techniques	3	
CAR 190 Light Frame Construction I – Floors and Walls	3		CAR 241 Light Frame Construction IV – Cabinetry and Trim Carpentry Techniques (Lab)	2	
CAR 191 Light Frame Construction I – Floors and Walls (Lab)	2				
Residential Carpenter Certificate 32 Credit Hours Total					

Carpentry Certificate Residential Roofer
[Academic Plan Code: 4602013069; Academic Program Code:]

Core Requirements	Credit Hours	Semester Taken	Core Requirements	Credit Hours	Semester Taken
BRX 220 Blueprint Reading for Construction	3		CAR 196 Light Frame Construction II – Ceilings and Roofs	3	
CAR 126 Intro to Construction	3		CAR 197 Light Frame Construction II – Ceilings and Roofs (Lab)	2	
CAR127 Intro to Construction Lab	1				
Residential Roofer Certificate 12 Credit Hours Total					

Carpentry Certificate Residential Site Layout Assistant
[Academic Plan Code: 4602013079; Academic Program Code:]

Core Requirements	Credit Hours	Semester Taken	Core Requirements	Credit Hours	Semester Taken
CAR 126 Intro to Construction	3		CAR 141 Surveying & Foundations-Lab	2	
CAR 127 Intro to Construction-Lab	1		Electives: (*Suggested Technical Electives)	6	
CAR 140 Surveying & Foundations	3				
Residential Site Layout Assistant Certificate 15 Credit Hours Total					

Carpentry Certificate Rough Carpenter
[Academic Plan Code: 4602013089; Academic Program Code:]

Core Requirements	Credit Hours	Semester Taken	Core Requirements	Credit Hours	Semester Taken
BRX 220 Blueprint Reading for Construction	3		CAR 190 Light Frame Construction I – Floors and Walls	3	
CAR 126 Intro to Construction	3		CAR 191 Light Frame Construction I – Floors and Walls (Lab)	2	
CAR 127 Intro to Construction-Lab	1		CAR 196 Light Frame Construction II – Ceilings and Roofs	3	
CAR 140 Surveying & Foundations	3		CAR 197 Light Frame Construction II – Ceilings and Roofs (Lab)	2	
CAR 141 Surveying & Foundations-Lab	2				
Rough Carpenter Certificate 22 Credit Hours Total					

Carpentry Certificate Basic Carpenter
[Academic Plan Code: 4602013139; Academic Program Code:]

Core Requirements	Credit Hours	Semester Taken	Core Requirements	Credit Hours	Semester Taken
CAR 126 Intro to Construction	3		Electives: (Any five [5] additional credits, program or otherwise)	5	
CAR 127 Intro to Construction-Lab	1				
Basic Carpenter Certificate 9 Credit Hours Total					

Suggested General Education and Technical Electives List

Certificate-Acoustical Carpenter

First Year	<u>Course</u>	<u>Course</u>	<u>Course Title</u>	<u>Credit</u>
Spring Term	<u>Prefix</u>	<u>Number</u>		<u>Hours</u>
	INF	205	Introduction to Acoustical Carpentry	3
	INF	211	Advanced Acoustical Carpentry	2
			Electives:	
			*Technical Electives	6
			Total	11

Certificate-Carpenter Helper

First Year	<u>Course</u>	<u>Course</u>	<u>Course Title</u>	<u>Credit</u>
Fall Term	<u>Prefix</u>	<u>Number</u>		<u>Hours</u>
	BRX	220	Blueprint Reading for Construction	3
	CAR	126	Intro to Construction	3
	CAR	127	Intro to Construction- Lab	1
	CAR	140	Construction Surveying and Foundation Systems	3
	CAR	141	Construction Surveying and Foundation Systems-Lab	2
	CAR	190	Light Frame Construction I-Floors and Walls	3
	CAR	191	Light Frame Construction I-Floors and Walls-Lab	2
			Total Credits	17

Certificate-Construction Forms Helper

First Year	<u>Course</u>	<u>Course</u>	<u>Course Title</u>	<u>Credit</u>
Fall Term	<u>Prefix</u>	<u>Number</u>		<u>Hours</u>
	BRX	220	Blueprint Reading for Construction	3
	CAR	126	Intro to Construction	3
	CAR	127	Intro to Construction -Lab	1
	CAR	150	Construction Formwork	3
	CAR	151	Construction Formwork-Lab	2
			Electives	6
			Total Credits	18

Certificate-Residential Carpenter

First Year	<u>Course</u>	<u>Course</u>	<u>Course Title</u>	<u>Credit</u>
Fall Term	<u>Prefix</u>	<u>Number</u>		<u>Hours</u>
	BRX	220	Blueprint Reading for Construction	3
	CAR	126	Intro to Construction	3
	CAR	127	Intro to Construction- Lab	1
	CAR	140	Construction Surveying and Foundation Systems	3
	CAR	141	Construction Surveying and Foundation Systems-Lab	2
	CAR	190	Light Frame Construction I-Floors and Walls	3
	CAR	191	Light Frame Construction I-Floors and Walls-Lab	2
			Subtotal	17

	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
First Year Spring Term	CAR	196	Light Frame Construction II-Ceilings and Roofs	3
	CAR	197	Light Frame Construction II-Ceilings and Roofs-Lab	2
	CAR	200	Light Frame Construction III-Exterior and Interior Finish	3
	CAR	201	Light Frame Construction III-Exterior and Interior Finish-Lab	2
	CAR	240	Light Frame Construction IV	3
	CAR	241	Light Frame Construction IV-Cabinetry and Trim Carpentry Techniques-Lab	2
				Subtotal
			Total Credits	32

Certificate-Residential Roofer

	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
First Year Fall Term	BRX	220	Blueprint Reading for Construction	3
	CAR	126	Intro to Construction	3
	CAR	127	Intro to Construction- Lab	1
	CAR	196	Light Frame Construction II-Ceilings and Roofs	3
	CAR	197	Light Frame Construction II-Ceilings and Roofs-Lab	2
				Total Credits

Certificate-Residential Site Layout Assistant

	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
First Year Fall Term	CAR	126	Intro to Construction	3
	CAR	127	Intro to Construction -Lab	1
	CAR	140	Construction Surveying and Foundation Systems	3
	CAR	141	Construction Surveying and Foundation Systems-Lab	2
			Electives	6
			Total Credits	15

Certificate-Rough Carpenter

	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
First Year Fall Term	BRX	220	Blueprint Reading for Construction	3
	CAR	126	Intro to Construction	3
	CAR	127	Intro to Construction -Lab	1
	CAR	140	Construction Surveying and Foundation Systems	3
	CAR	141	Construction Surveying and Foundation Systems-Lab	2
				Subtotal

	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
First Year				
Spring Term	CAR	190	Light Frame Construction I-Floors and Walls	3
	CAR	191	Light Frame Construction I-Floors and Walls- Lab	2
	CAR	196	Light Frame Construction II-Ceilings and Roofs	3
	CAR	197	Light Frame Construction II-Ceilings and Roofs-Lab	2
			Subtotal	10
			Total Credits	22

Certificate-Basic Carpenter

	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
First Year				
Fall Term	CAR	126	Intro to Construction	3
	CAR	127	Intro to Construction -Lab	1
			Electives	5
			Total Credits	9