



Western Program	Math Requirement	General Math	Algebra	Geometry	Algebra 2	Pre-Calc & Trig	Calculus
<b>Agriculture, Food &amp; Natural Resources</b>							
Agri-business Science	Math w/Business Applications	X	X		X		
Farm, Business & Production Management	No Specific Requirement	X	X				
Landscape Horticulture	College Math	X	X	X	X		
<b>Architecture &amp; Construction</b>							
Air Conditioning, Heating, & Refrigeration	College Math	X	X	X	X		
Architectural Technology	College Math	X	X	X	X		
Building Science & Energy Management	College Math	X	X	X	X		
Refrigeration, Heating & AC Servicing Tech	Applied Math - HVAC/Refrigeration	X	X	X			
Technical Studies - Journeyworker	Requirement Varies by Trade	X	X	X			
Wood Tech	Applied Math 1 & 2 - Wood	X	X	X			
<b>Arts, Audio-Video Technology &amp; Communications</b>							
Graphic Design	Math w/Business Applications	X	X		X		
Digital Media Production	Math w/Business Applications	X	X		X		
<b>Associate in Science</b>							
Associate of Science/Liberal Arts	8-12 credits of math beginning with College Algebra	X	X	X	X	X	X
<b>Business, Management &amp; Administration</b>							
Administrative Professional	Math w/Business Applications	X	X		X		
Business Analyst	Math w/Business Applications	X	X		X		
Business Management	Math w/Business Applications	X	X		X		
Entrepreneurship	No Specific Requirements	X					
Human Resource Management	Math w/Business Applications	X	X		X		
Medical Administrative Professional	Math w/Business Applications	X	X		X		
Office Support Specialist	Math w/Business Applications	X	X		X		
Supervisory Management	Math w/Business Applications	X	X		X		
<b>Education &amp; Training</b>							
Instructional Assistant	Math w/Business Applications	X	X		X		
<b>Finance</b>							
Accounting	Math w/Business Applications	X	X		X		
Accounting Assistant	Math w/Business Applications	X	X		X		
Financial Services	Math w/Business Applications	X	X		X		
<b>Health Science</b>							
Central Service Technician	No Specific Requirement	X	X		X		
Dental Assistant	No Specific Requirement	X	X		X		
Health Information Technology	No Specific Requirement	X	X	X			
Medical Assistant	No Specific Requirement	X	X				
Medical Coding Specialist	No Specific Requirement	X	X	X	X		
Medical Laboratory Technician	No Specific Requirement	X	X	X			
Nursing-Associate Degree	No Specific Requirement	X	X	X			
Occupational Therapy Assistant	No Specific Requirement	X	X	X			
Pharmacy Technician	No Specific Requirement	X	X				
Physical Therapy Assistant	No Specific Requirement	X	X	X			
Practical Nursing	No Specific Requirement	X	X	X			

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Radiography	College Math	X	X	X	X		
Respiratory Therapist	College Math	X	X	X	X		
Surgical Technology	No Specific Requirement	X	X				
Therapeutic Massage	No Specific Requirement	X	X				
<b>Hospitality &amp; Tourism</b>							
Culinary Management	Math w/Business Applications	X	X		X		
Food Production Specialist	Applied Math 1 - Food Preparation	X	X				
<b>Human Services</b>							
Educational Assistant	Math w/Business Applications	X	X		X		
Foundations of Teacher Education	Math w/Business Applications	X	X		X		
Human Services Associate	College Math	X	X	X	X		
<b>Information Technology</b>							
IT-Computer Support Specialist	Math w/Business Applications	X	X		X		
IT-Computer Support Tech	No Specific Requirement	X	X		X		
IT-Network Systems Admin	Math w/Business Applications	X	X		X		
IT-Network Systems Technician	No Specific Requirement	X	X		X		
IT-Web & Software Developer	Math w/Business Applications	X	X		X		
<b>Law, Public Safety, Corrections &amp; Security</b>							
Criminal Justice	College Math	X	X	X	X		
EMT - Paramedic	No Specific Requirements	X	X				
Fire Protection Technician	College Math	X	X	X	X		
Paralegal	Math w/Business Applications	X	X		X		
Paramedic Technician	No Specific Requirements	X	X	X			
<b>Manufacturing</b>							
Electromechanical Technology	Technical Math 1A & 1B	X	X	X	X	X	
Electronic Systems Installation & Maintenance	Electronic Calculations	X	X	X	X		
Machine Tool Operation	Manufacturing Math 1 & 2 and Applied Math - Tool	X	X	X	X	X	
Manufacturing Systems Maintenance Technician	Manufacturing Math 1 & 2	X	X	X			
Welding	Applied Math - Welding	X	X	X			
<b>Marketing, Sales &amp; Service</b>							
Marketing	Math w/Business Applications	X	X		X		
Sales Management	Math w/Business Applications	X	X		X		
<b>Science, Technology, Engineering &amp; Mathematics</b>							
Bio-medical Electronics	Technical Math 1A & 1B	X	X	X	X	X	
CAD Technician	No Specific Requirements	X	X	X	X	X	
Electronic & Computer Engineering Technology	Technical Math 1A, 1B, & 2	X	X	X	X	X	X
Industrial Electronics & Maintenance	No Specific Requirements	X	X				
Mechanical Design Technology	Technical Math 1A & 1B	X	X	X	X	X	
<b>Transportation, Distribution &amp; Logistics</b>							
Automotive Technician	Applied Math - Transportation	X	X	X			
Diesel & Heavy Equipment Technician	Applied Math - Transportation	X	X	X			

For more information, visit: [westernnc.edu/highschool](http://westernnc.edu/highschool)  
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**2016-2017**

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**Technical College**  
THE ESSENTIAL EXPERIENCE



**WHAT MATH CLASSES SHOULD I TAKE?**

Use this table to get an idea of what math classes you should take now to be ready when you attend Western.