

**GRC Course Prerequisites
(Class Chart with Placement Score)**

	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Chemistry (CHEM)	TOEFL 61-63 IELTS 5.5 (no section below 5.0) English Placement Test 82-90					
	TOEFL 64-71 IELTS 6.0 (no section below 5.5) English Placement Test 91-100					
	TOEFL 72 or higher IELTS 6.5 (no section below 6.0) English Placement Test 101-150		CHEM&110 Chem Concepts CHEM&121 Intro to Chemistry	CHEM&140 General Chem Prep		
	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Engineering (ENGR)	TOEFL 61-63 IELTS 5.5 (no section below 5.0) English Placement Test 82-90	ENGR 100 Engineering Careers ENGR&104 Intro to Design ENGR&114 Graphics (CAD)				ENGR 106 Engr Problems ENGR 120 Programming
	TOEFL 64-71 IELTS 6.0 (no section below 5.5) English Placement Test 91-100					
	TOEFL 72 or higher IELTS 6.5 (no section below 6.0) English Placement Test 101-150					
	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Industrial Engineering (I E)	TOEFL 61-63; IELTS 5.5; IELTS 5.5 (no section below 5.0) English Placement Test 82-90	I E 189 Basic Metallurgy I E 204 Statics and Strengths				
	TOEFL 64-71 IELTS 6.0 (no section below 5.5) English Placement Test 91-100	I E 114 CATIA 2-D				
	TOEFL 72 or higher IELTS 6.5 (no section below 6.0) English Placement Test 101-150					

	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Information Technology (IT)	TOEFL 61-63; IELTS 5.5; IELTS 5.5 (no section below 5.0) English Placement Test 82-90	IT 100 Intro to Cybersecurity	IT 102 Programming			
		IT 101 Introduction to IT				
		IT 114 CompTIA A+				
		IT 135 CompTIA Security				
		IT 141 Customer Service				
		IT 160 Window Admin				
	TOEFL 64-71 IELTS 6.0 (no section below 5.5) English Placement Test 91-100	IT 201 Database Fundamentals				
		IT 206 Web Development				
		IT 293 Systems Analysis				
	TOEFL 72 or higher IELTS 6.5 (no section below 6.0) English Placement Test 101-150					
	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Interdisciplinary Science (IDS)	TOEFL 61-63; IELTS 5.5; IELTS 5.5 (no section below 5.0) English Placement Test 82-90					
	TOEFL 64-71 IELTS 6.0 (no section below 5.5) English Placement Test 91-100					
	TOEFL 72 or higher IELTS 6.5 (no section below 6.0) English Placement Test 101-150		IDS 101			
	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Machining and Manufacturing Technology (MFG)	TOEFL 61-63; IELTS 5.5; English Placement Test 82-90	All MFG classes (w/ instructor perm)				
	TOEFL 64-71; IELTS 6.0 English Placement Test 91-100					
	TOEFL 72 or higher; IELTS 6.5 English Placement Test 101-150					
	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Maintenance Mechatronics (MTX)	TOEFL 61-63; IELTS 5.5; English Placement Test 82-90	MTX 100				
	TOEFL 64-71; IELTS 6.0					
	TOEFL 72 or higher					

	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Physics (PHYS)	TOEFL 61-63; IELTS 5.5; English Placement Test 82-90					
	TOEFL 64-71; IELTS 6.0 English Placement Test 91-100					
	TOEFL 72 or higher; IELTS 6.5 English Placement Test 101-150	PHYS&110 Physics Non-science		PHYS&114 Gen Phys with Lab		
	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Technology (TECH)	TOEFL 61-63; English Placement Test 82-90	Tech 100 Careers				
	TOEFL 64-71 English Placement Test 91-100					
	TOEFL 72 or higher; English Placement Test 101-150					
	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Wastewater Technology (WWT)	TOEFL 61-63; IELTS 5.5; English Placement Test 82-90	WWT 172 Instrumentation	WWT 185 Municipal Wastewater			
		WWT 174 Regulations				
		WWT 175 Treatment				
		WWT 180 Collection				
		WWT 188 Wastewater Lab				
	TOEFL 64-71; IELTS 6.0 English Placement Test 91-100					
	TOEFL 72 or higher; IELTS 6.5 English Placement Test 101-150					
	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Water Supply Technology (WST)	TOEFL 61-63; English Placement Test 82-90	WST 188 Water Laboratory				
	TOEFL 64-71; IELTS 6.0 English Placement Test 91-100	WST 180 Water Supply Tech WST 183 Water Sources WST 184 Water Regulations	WST 185 Water Treatment 1			
	TOEFL 72 or higher; IELTS 6.5 English Placement Test 101-150					
	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Water Technology (WTECH)	TOEFL 61-63; IELTS 5.5; English Placement Test 82-90	WTECH 183 Worker Safety WTECH 187 Manuals WTECH 188 Electrical WTECH 191 Pre-Employment	WTECH 181 Water Hydraulics WTECH 182 Pumps WTECH 184 Disinfection WTECH 185 Applied Problems			
	TOEFL 64-71; IELTS 6.0 English Placement Test 91-100					
	TOEFL 72 or higher English Placement Test 101-150					
	English	No Math prerequisite	Math 097 (score 75-100)	Math 141 (Score 75-100)	Math 142 (Score 70-100)	Math 151 (Score 70-100)
Welding (WELD)	TOEFL 61-63; IELTS 5.5; English Placement Test 82-90	WELD 107 Blueprints WELD 141 Arc Weld (instructor)				
	TOEFL 64-71; IELTS 6.0 English Placement Test 91-100					
	TOEFL 72 or higher; IELTS 6.5 English Placement Test 101-150					