

### 050622 - Mechanical Engineering

№	Name of the Subject	Planned Semester for Teaching the Subject
<b>General Subjects</b>		
1	Azerbaijan History	P-1
2	Professional and Academic Communication in Azerbaijani Language	P-1
3	Professional and Academic Communication in Foreign Language-1	P-1
4	Professional and Academic Communication in Foreign Language-2	Y-1
5	Professional and Academic Communication in Foreign Language-3	P-2
6	Professional and Academic Communication in Foreign Language-4	Y-2
<b>Elective Courses: (General Subjects)</b>		
7	Philosophy	P-2
	Sociology	
	Constitution of the Republic of Azerbaijan and Fundamentals of Law	
	Logic	
	Ethics and Aesthetics	
	Introduction to Multiculturalism	
8	Information Technologies (Specialization)	P-3
	Management of Information	
	Fundamentals of Entrepreneurship and Introduction to Business	
	Political Science	
<b>The professional training subjects of the specialization (program).</b>		
9	Linear algebra and analytical geometry	P-1
10	Mathematical analysis-1	Y-1
11	Mathematical analysis-2	P-2
12	Applied mathematics	Y-2
13	Physics	P-1
14	Chemistry	P-1
15	Introduction to engineering	Y-1
16	Fundamentals of programming	Y-1
17	Theoretical mechanics	P-2

18	Descriptive geometry and engineering graphics	Y-1
19	Computer graphics	P-2
20	Theory of machines and mechanisms	Y-2
21	Strength of materials	Y-2
22	Material science	P-2
23	Fundamentals of electrical engineering and electronics	Y-1
24	Thermal engineering	Y-1
25	Metrology, standardization, and certification	Y-2
26	Basics of machine manufacturing technology	P-3
27	Machine design	Y-2
28	Engineering economics	P-4
29	Quality normalization in machine engineering	P-2
30	Manufacturing methods and tools	Y-3
31	Basics of automation	P-4
32	Safety in life activities	Y-3
33	Property protection	P-4
<b>Selected Subjects for Professional Preparation:</b>		
34	Technical Foreign Language	P-3
	Foreign Language for Engineers	
	Specialized Foreign Language	
35	Project Management	P-3
	Modern Management Approaches	
	Development Management	
	Organization Theory	
36	Hydraulics and Hydraulic Machines	P-3
	Hydraulic Equipment and Control Measurement Devices	
	Elements and Systems of Hydro-Pneumatic Automation	
37	Metalworking Machines	Y-3
	Machine Tool Equipment	
	Computer Diagnostics and Technological Service of Machines and Devices	
38	Project Planning in Machine Manufacturing	Y-3
	Automated Production Technology	
	Machine Manufacturing Technology	
39	Automated Project Planning Systems in Technological Processes	P-4
	Technical Equipment	
	Program Tools for Solving Design and Technological Issues	
	Project Planning in Manufacturing Fields	
40	Mechanical Processing Technology in Technological Complexes	P-4
	Basics of Project Planning in Technological Complexes	

	Technical Foreign Language	
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