

KHAZAR UNIVERSITY

Mechanical Engineering B.S. Program

1st Year

CODE	Fall Semester	KU	ECTS
AZLL101	Azerbaijan Language	3	6
MATH 101	Calculus_I	3	6
CHEM111	Chemistry_I	3	6
ENGL 101	English Foundations_I	4	8
	Social Sciences**	3	6
	Credit	16	32

CODE	Spring Semester	KU	ECTS
AZH 150	Azerbaijan History	3	6
MATH 102	Calculus_II	3	6
PHSC 111	Physics_I	3	6
CHEM112	Chemistry_II	3	6
ENGL 102	English Foundation_II	4	8
	Azerbaijani Culture	2	4
	Credit	18	36

2nd Year

CODE	Fall Semester	KU	ECTS
ME 201	Introduction to Mechanical Engineering	3	6
ENGL 216	ESP Chemical Eng.	3	6
ENGR 205	Engineering Mechanics	3	6
PHSC 112	Physics_II	3	6
	Humanity*	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
CIV 303	Strength of Materials	3	6
CMS 115	Computer Application in Engineering	3	6
MATH 310	Applied Differential Equations	3	6
ME 262	Dynamics	3	6
	Humanity*	3	6
	Credit	15	30

3rd Year

CODE	Fall Semester	KU	ECTS
ENGR 210	Fluid Mechanics I	3	6
ENGR 303	Thermodynamics I	3	6
EENG 250	Fundamentals of Electrical Engineering	3	6
CMS 140	Fundamentals of Computer Programming	3	6
	Major Elective***	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
ME 351	Material Science	3	6
ME 363	Manufacturing Technologies	3	6
CHE 302	Heat Transfer + Lab	3	6
ME 361	Machine Elements I	3	6
	Social Sciences**	3	6
	Credit	15	30

CODE	Summer Semester	KU	ECTS
ME 395	Summer Internship	3	6
	Credit	3	6

CODE	Summer Semester	KU	ECTS
ME 395	Summer Internship	3	6
	Credit	3	6

4th Year

CODE	Fall Semester	KU	ECTS
ME 416	Machanical Vibrations	3	6
ME 420	Theory of Machines	3	6
ME 402	Machine Elements II	3	6
ME 430	AutoCAD for Mechanicl Engineering	3	6
	Major Elective***	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
ME 460	Mechanical Engineering Design	3	6
ME 451	Hydraulic Machinery Design	3	6
ME 475	System Dynamics and Control	4	8
	Major Elective***	3	6
	Major Elective***	3	6
	Credit	16	32

Total Credits for Graduation 128 256

* Humanity Courses List:		Major Electives List:		KU	ECTS
Philosophy		ENGR 360	Fluid Mechanics II	3	6
German Language		CHE 354	Thermodynamics II	3	6
French Language		ME 411	Heating, Ventialation and Air Conditioning	3	6
Russian Language		ME 465	Heating Systems	3	6
Spanish Language		ME 455	Transportation Techniques	3	6
		CHE 490	Renewable Energy	3	6
		ME 466	Pneumatic Cycle	3	6
		ME 480	Plastic Formation	3	6
** Social Sciences					
Management and Organization					
Family Law					
Introduction to Economics				KU	ECTS
Science and Technology			University Requirement English	11	22
Life Sciences			University Requirement Azeri	8	16
Calculus_I			Humanity	6	12
Computer Application in Engineering			Social Sciences	6	12
			Science and Technology	9	18
			Major Cources	88	176
			Total	128	256

