

Mechanical Engineering BSc (2020), Szombathely

Code	Subject	Prerequisite	Lecture	Exam	Practical course	Lab	Practical course mark	Consultation	Credit	Semester	1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	Subject area	Course responsible
SBANGP201400VEN	Learning methods	-			3		S		1	1	0+3+0 S							Economy and human	Takács Rita (JPE71Y)
SBANGP201111EN	Descriptive geometry	-	1		2		P		3	1	1+2+0 P							Specialization	Borbély Tibor Dr. (S05A8N)
SBANGP1112EN	Fundamentals of Engineering	-	2		1		P		4	1	2+1+0 P							Specialization	Bak Árpád Dr. (SKGSV4)
SBANMA202708EN	Foreign language (Hungarian1)	-			4		P		2	1	0+4+0 P							Economy and human	Horváthné Dr. Molnár Katalin (C7JQ2Q)
SBANGP1113EN	Informatics systems	-	1		2		P		3	1	1+0+2 P							Specialization	Gál László Dr. (AAZOU4)
SBANGP1011EN	Mathematics I.	-	4	E	2				6	1	4+2+0							Natural Sciences	Gönyö Zsuzsanna Dr. (R6XMG9)
SBANGP1021VEN	Basics of Mathematics	-			2		S		1	1	0+2+0 S							Natural Sciences	Gönyö Zsuzsanna Dr. (R6XMG9)
SBANGP1411EN	Micro- and macroeconomics	-	4		2		P		3	1	4+0+0 P							Economy and human	Palkovits István Dr. (SN9560)
SBANGP1012EN	Technical Chemistry	-	2	E	1				4	1	2+1+0 E							Natural Sciences	Borzák István József (A1RX64)
SBANGP201013EN	Statics	-	2	E	3				4	1	2+3+0 E							Natural Sciences	Saffaryk Ferenc Dr. (HOEERQ)
Sum			16		15		2		0		0								
SBANGP20114EN	Structure of Materials	-	3	E	2				5	2	3+2+0 E							Specialization	Sidor Jurij Prof. Dr. (RABVZ2)
SBANGP2115EN	CAD I.	-			3		P		3	2	0+0+3 P							Specialization	Saffaryk Ferenc Dr. (HOEERQ)
SBANGP2015EN	Physics I.	-	2	E	1				4	2	2+1+0 E							Natural Sciences	Németh István Dr. (CL94TX)
SBANGP2116EN	Technical drawing	SBANGP1111EN	2		2		P		4	2	2+2+0 P							Specialization	Borbély Tibor Dr. (S05A8N)
SBANGP202400EN	Educational mentoring	-	0		1		S		0	2	0+4+0 S							Economy and human	Takács Rita (JPE71Y)
SBANMA202709EN	Foreign language (Hungarian2)	SBANMA202708EN	0	E	4				2	2	0+4+0 E							Economy and human	Horváthné Dr. Molnár Katalin (C7JQ2Q)
SBANGP2014VEN	Mathematics II.	SBANGP1011EN	3	E	2				5	2	3+2+0 E							Natural Sciences	Gönyö Zsuzsanna Dr. (R6XMG9)
SBANGP2117EN	Programming	SBANGP1111EN	2		2		P		2	2	0+0+2 P							Specialization	Gál László Dr. (AAZOU4)
SBANGP2016EN	Mechanics of Materials	SBANGP201013EN	2	E	2				4	2	2+2+0 E							Natural Sciences	Saffaryk Ferenc Dr. (HOEERQ)
Sum			12		14		5		0		29								
SBANGP20119EN	Materials Characterization	SBANGP20114EN	2	E	2				4	3	2+0+2 E							Specialization	Sidor Jurij Prof. Dr. (RABVZ2)
SBANGP3019EN	Dynamics	SBANGP201013EN, SBANGP201111EN	2	E	2				4	3	2+2+0 E							Natural Sciences	Kollár László Prof. Dr. (CYZK0D)
SBANGP3018EN	Physics II.	SBANGP2015EN	2	E	1				3	3	2+1+0 E							Natural Sciences	Németh István Dr. (CL94TX)
SBANGP20118EN	Machine Elements I.	SBANGP2116EN, SBANGP2016EN	2	E	2				4	3	2+2+0 E							Specialization	Borbély Tibor Dr. (S05A8N)
SBANGP203017EN	Mathematics III.	SBANGP2014VEN	2		2		P		4	3	2+2+0 P							Natural Sciences	Gönyö Zsuzsanna Dr. (R6XMG9)
SBANGP3120EN	Measurement techniques I.	-	1		1		P		3	3	1+0+3 P							Specialization	János Endre Dr. (Q2B0KC)
SBANGP316EN	Quality assurance	-	2		1		P		3	3	2+1+0 P							Economy and human	János Endre Dr. (Q2B0KC)
SBANGP3412EN	Technical and economical data analysis	-	1		1		P		3	3	1+0+3 P							Economy and human	Bak Árpád Dr. (SKGSV4)
SBANGP20316VEN	Fundamentals of Finite Element Method	SBANGP2016EN, SBANGP20115EN	1		2		P		2	3	1+0+2 P							Specialization	Saffaryk Ferenc Dr. (HOEERQ)
Sum			15		8		6		0		32								
SBANGP204126EN	Materials Technology	SBANGP3019EN	3	E	2				5	4	3+2+0 E							Specialization	Sidor Jurij Prof. Dr. (RABVZ2)
SBANGP204122EN	Fluid mechanics	SBANGP2014VEN	2		2		P		4	4	2+2+0 P							Specialization	Fenyvesi Dániel Dr. (X93DE1)
SBANGP204123EN	Fundamentals of Electrical Engineering	-	2		1		P		3	4	2+0+3 P							Specialization	János Endre Dr. (Q2B0KC)
SBANGH4112EN	Machine Elements II.	SBANGP20118EN	3	E	2				5	4	3+2+0 E							Specialization	Borbély Tibor Dr. (S05A8N)
SBANGH4124EN	Manufacturing Technologies I.	-	2	E	2			2	5	4	2+0+2 E							Specialization	Andó Máttyás Dr. (FYSSFU)
SBANGP204125EN	Optional Subject	-							2	4								Optional subject	Fenyvesi Dániel Dr. (X93DE1)
SBANGP204125EN	Thermodynamics	SBANGP1011EN	2		1		P		4	4	2+0+3 P							Specialization	Fenyvesi Dániel Dr. (X93DE1)
SBANGP204020EN	Vibrations	SBANGP3017EN, SBANGP3019EN	2	E	2				4	4	2+2+0 E							Natural Sciences	Kollár László Prof. Dr. (CYZK0D)
Sum			16		9		3		2		32								
SBANGP206130EN	Computational heat and fluid flow	SBANGP204122EN	2		2		P		4	5	2+0+2 P							Differ. Profes. Knowl.	Fenyvesi Dániel Dr. (X93DE1)
SBANGP3128EN	Electromechanics	SBANGP204123EN	2	E	2				4	5	2+0+3 E							Specialization	János Endre Dr. (Q2B0KC)
SBANGP3131EN	Manufacturing Technologies II.	-	2	E	2			2	4	5	2+0+2 E							Differ. Profes. Knowl.	Andó Máttyás Dr. (FYSSFU)
SBANGP314EN	Hydraulics and Pneumatics	-	2		2		P		5	5	2+0+2 P							Differ. Profes. Knowl.	Fenyvesi Dániel Dr. (X93DE1)
SBANGP205127EN	Heat transfer	SBANGP204125EN	2	E	2				4	5	2+2 E							Specialization	Kollár László Prof. Dr. (CYZK0D)
SBANGP3415EN	Business law	-	2		2		P		2	5	2+0 P							Economy and human	Fejes Péter Dr. (M3ME8G)
SBANGP206135EN	CNC and CAM I.	SBANGP124EN	2		2		P	1	4	5	2+0+2 P							Differ. Profes. Knowl.	Andó Máttyás Dr. (FYSSFU)
Sum			14		2		10		3		27								
SBANGP320EN	CAD II.	SBANGP3216VEN	0		3		P		3	6	0+0+3 P							Differ. Profes. Knowl.	Saffaryk Ferenc Dr. (HOEERQ)
SBANGP321EN	Optional Subject	-							3	6								Optional subject	Fenyvesi Dániel Dr. (X93DE1)
SBANGP321EN	Manufacturing Technologies III.	-	2		2		P		4	6	2+0+2 P							Differ. Profes. Knowl.	Andó Máttyás Dr. (FYSSFU)
SBANGP3129EN	Control techniques	SBANGP314EN	2	E	2				5	6	2+0+2 E							Specialization	Kollár László Prof. Dr. (CYZK0D)
SBANGP6131EN	Heat Engines	SBANGP204125EN	2	E	1				4	6	2+1+0 E							Specialization	Fenyvesi Dániel Dr. (X93DE1)
SBANGP6137EN	Internal Combustion Engines	-	2	E	1		P		3	6	2+1+0 P							Differ. Profes. Knowl.	Kollár László Prof. Dr. (CYZK0D)
SBANGP206317EN	Optional Subject	-							2	6								Optional subject	Fenyvesi Dániel Dr. (X93DE1)
SBANGP206317EN	Engine structures	-	1	E	2				3	6	1+0+2 E							Differ. Profes. Knowl.	Fenyvesi Dániel Dr. (X93DE1)
SBANGP2060025ZEN	Optional Subject	-							2	6								Optional subject	Fenyvesi Dániel Dr. (X93DE1)
SBANGP2060025ZEN	Thesis work I	-					S		1	6								Diploma project	Sidor Jurij Prof. Dr. (RABVZ2)
SBANGP205414EN	Management and business economics	-	4	E	0				4	6	4+0+0 E							Economy and human	Bak Árpád Dr. (SKGSV4)
Sum			13		2		9		0		34								
SBANGP312EN	Measurement techniques II.	-	2	E	2				4	7	2+0+2 E							Differ. Profes. Knowl.	János Endre Dr. (Q2B0KC)
SBANGP7333EN	Manufacturing Technologies IV.	SBANGP3129EN	2		2		P	1	5	7	2+0+2 P							Differ. Profes. Knowl.	Andó Máttyás Dr. (FYSSFU)
SBANGP207325EN	Vehicle Structures and maintenance	SBANGP206317EN	2		2		P		5	7	2+0+2 P							Differ. Profes. Knowl.	Sidor Jurij Prof. Dr. (RABVZ2)
SBANGP207330EN	Internship	-	0		0		S		0	7	0+0+0 S							Differ. Profes. Knowl.	Kollár László Prof. Dr. (CYZK0D)
SBANGP2060035ZEN	Thesis work II	SBANGP2060025ZEN	0				S	1	14	7	0+0+0 S							Diploma project	Sidor Jurij Prof. Dr. (RABVZ2)
Sum			6		0		6		2		28								

Credit total 213

Changes	
AUX	Minimal changes
BBB	Either new subject or substantial change was made

Credit	
15	Diploma project
20	Economy and human
41	Differ. Profes. Knowl.
80	Specialization
43	Natural Sciences
11	Optional Subjects
210	Total

Megszüntetve

SBANGP3129EN	Control techniques	-	0		2		S		2	6	0+2+0 S							Differ. Profes. Knowl.	Kollár László Prof. Dr. (CYZK0D)
SBANGP3129EN	Control techniques	-	0		2		S		2	6	0+2+0 S							Optional subject	Fenyvesi Dániel Dr. (X93DE1)
SBANGP3129EN	Control techniques	-	0		2		S		2	6	0+2+0 S							Optional subject	Fenyvesi Dániel Dr. (X93DE1)
SBANGP3129EN	Control techniques	-	0		2		S		2	6	0+2+0 S							Optional subject	Fenyvesi Dániel Dr. (X93DE1)
SBANGP3129EN	Control techniques	-	0		2		S		2	6	0+2+0 S							Optional subject	Fenyvesi Dániel Dr. (X93DE1)
SBANGP3129EN	Control techniques	-	0		2		S		2	6	0+2+0 S							Differ. Profes. Knowl.	Fenyvesi Dániel Dr. (X93DE1)

E - Exam Mark (Bóllövum)
P - Practical course mark (gyakorlati jele)
S - Instructor's signature (Albírás)

min.27