

## English-taught MSc in Mechanical Engineering

**Name of degree programme:** Mechanical Engineering

**Academic level of degree:** Masters

**Qualification obtained:** Mechanical Engineer

**Duration of degree programme:** 4 semesters

**Necessary no. credits for degree:** 120 credits

**Curriculum** (beginning in **Autumn** semester)

*(For description of courses please click course code)*

**Compulsory courses:**

	Neptun code of course	Name of course	lessons / week	seminars / week	assessment type	credit points	semester
1	GKNM_MSTA003	Numerical Analysis	2	2	v	2	1
2		Mechanics for Engineers	2	2	v	5	2
3	AJNM_ATTAA011	Materials Science	2	2	v	5	2
4	GKNM_AUTA011	Automatic Controls	2		v	5	2
5	AJNM_ATTAA013	Metal Forming Theories and Practiques	2	2	v	5	2
6	KGNM_VKTA005	Management Competencies	2	2	f	5	1
7		Chapters of Thermo- and Fluidmechanics	2	2	v	5	1
8		Mathematical Models and Methods	2	2	v	5	2
9	AJNM_ATTAA005	Computer Aided	2	2	v	5	4

		Manufacturing					
10		Measuring Theories and Techniques	2	2	v	5	1
11	AJNM_ATT006	Project		2	f	5	1
12	KGNM_VKTA003	Leadership and Organizational Communication	2	2	f	5	2
13	AJNM_ATT003	Failure Analysis	2	2	v	5	3
14	AJNM_ATT002	Polymer Engineering	2	2	v	5	1
15		Theory and Practice of Machining	2	2	v	5	3
16	AJNM_ATT015	3D Techniques	2	2	v	5	4
17	AJNM_ATT098	Thesis Consultation I.		2	f	15	3
18	AJNM_ATT099	Thesis Consultation II.		2	f	15	4

### Hungarian Language (compulsory)

Nr.	Neptun code of course	Name of course	lessons / week	seminars / week	assessment type *	credit points
1	<a href="#">KGNB_NOKA036</a>	Hungarian Language & Culture 1	0	3	a	0
2	<a href="#">KGNB_NOKA037</a>	Hungarian Language & Culture 2	0	3	a	0

### Free optional courses

**10 credit points** should be obtained from this group of courses.

Nr.	Neptun code of course	Name of course	lessons / week	seminars / week	assessment type *	credit points
1	AJNM_ATT004	Manufacturing and Quality	2		v	5

		Assurance of Welded Structures					
2	AJNM_JGTA018	Digital Production Planning	2		2	v	5

**\* type of assessment**

f - evaluation based on student's performance and work during the semester

v - evaluation based on student's exam grade in a 5-grade system:

excellent (5) – good (4) – satisfactory (3) – passed (2) – fail (1)

**Programme supervisor: Dr Ibolya Zsoldos**



Link to supervisor's CV: [https://att.sze.hu/images/munkatarsak/Zsoldos\\_CV\\_EN\\_2021.pdf](https://att.sze.hu/images/munkatarsak/Zsoldos_CV_EN_2021.pdf)

Please find details of **thesis** and **final exams** on: <https://givk.sze.hu/mechanical-engineer-msc>

Information about **admission procedure**: <http://admissions.sze.hu/>