

## BACHELOR IN AGRICULTURAL ENGINEERING (BSC)

---

**Name of degree programme:** Agricultural Engineering

**Academic level of degree:** baccalaureus, bachelor, abbr.: BSc-degree

**Qualification obtained:** Agricultural Engineer

**Duration of degree programme:** 7 semesters/terms

**Necessary no. credits for degree:** 210 credit points

Curriculum (beginning in **autumn** semester)

---

### Compulsory courses:

	Neptun code of course	Name of course	lessons / week	seminars / week	assessment type	credit points	semester
1.	<a href="#">MENB_AVTA010</a>	Agricultural basic studies	2	1	v	4	1
2.	<a href="#">MENB_BÉTA034</a>	Informatics	1	2	v	4	1
3.	<a href="#">MENB_BÉTA036</a>	Mathematics	2	2	v	4	1
4.	<a href="#">MENB_ÉTTA001</a>	General Microbiology	2	2	v	4	1
5.	<a href="#">MENB_NTTA006</a>	Practical training I.	0	0	a	0	1
6.	<a href="#">MENB_VKTA006</a>	The Basics of Chemistry	2	2	v	4	1
7.	<a href="#">MENB_VKTA016</a>	Botany	2	1	v	4	1
8.	<a href="#">MENB_VKTA029</a>	Zoology	2	1	v	4	1
9.	<a href="#">MENB_AVTA005</a>	Human resource management	2	1	v	4	2
10.	<a href="#">MENB_AVTA019</a>	Statistics	2	2	v	4	2
11.	<a href="#">MENB_AVTA023</a>	Agricultural Economics I.	1	1	v	4	2
12.	<a href="#">MENB_BÉTA001</a>	Agricultural engineering basics	2	1	v	4	2
13.	<a href="#">MENB_NTTA007</a>	Practical training II	0	0	a	0	2
14.	<a href="#">MENB_NTTA016</a>	Plant physiology	2	2	v	4	2
15.	<a href="#">MENB_NTTA038</a>	Principles of plant production	2	2	v	4	2
16.	<a href="#">MENB_VKTA022</a>	The Basics of Pedology	2	1	v	4	2
17.	<a href="#">DKNB_JETA001</a>	Basics of Law	2	0	v	3	3
18.	<a href="#">MENB_ÁTTA022</a>	Animal Physiology	2	1	v	4	3
19.	<a href="#">MENB_ÁTTA033</a>	Universal Animal Husbandry	2	1	v	4	3
20.	<a href="#">MENB_AVTA008</a>	Basic Principles of Economics	2	0	v	3	3
21.	<a href="#">MENB_NTTA002</a>	Practical training III.	0	0	a	0	3
22.	<a href="#">MENB_NTTA027</a>	Crop production I.	2	2	v	4	3
23.	<a href="#">MENB_NTTA042</a>	Soil management	2	2	v	4	3
24.	<a href="#">MENB_VKTA002</a>	Principles of Agrometeorology	2	1	v	4	3
25.	<a href="#">MENB_VKTA003</a>	Biochemistry	2	1	v	4	3

26.	<a href="#">MENB_ÁTTA015</a>	Bovine and Sheep Breeding	2	2	v	4	4
27.	<a href="#">MENB_ÁTTA017</a>	Basic animal nutrition and feeding	2	1	v	4	4
28.	<a href="#">MENB_ÁTTA028</a>	Horse Husbandry and Breeding	2	1	v	3	4
29.	<a href="#">MENB_AVTA011</a>	Farm management I.	2	2	v	4	4
30.	<a href="#">MENB_BÉTA007</a>	Plant production machines	2	1	v	4	4
31.	<a href="#">MENB_NTTA003</a>	Practical training IV.	0	0	a	0	4
32.	<a href="#">MENB_NTTA022</a>	Animal pests in agriculture	2	1	v	4	4
33.	<a href="#">MENB_NTTA028</a>	Crop production II.	3	3	v	4	4
34.	<a href="#">MENB_NTTA033</a>	Phytopathology	2	1	v	4	4
35.	<a href="#">MENB_ÁTTA013</a>	Porcine and Poultry Breeding	3	2	v	4	5
36.	<a href="#">MENB_AVTA013</a>	Farm management II.	2	1	v	4	5
37.	<a href="#">MENB_AVTA022</a>	Basics of Accounting	2	1	v	4	5
38.	<a href="#">MENB_BÉTA018</a>	Animal husbandry machines	2	1	v	4	5
39.	<a href="#">MENB_NTTA095</a>	Thesis Consultation I. (Bachelor Programme)	0	0	f	5	5
40.	<a href="#">MENB_VKTA026</a>	The Basics of Water Management	2	2	v	4	5
41.	<a href="#">MENB_NTTA005</a>	Internship	0	0	f	30	6
42.	<a href="#">MENB_ÁTTA002</a>	Genetics	2	0	v	4	7
43.	<a href="#">MENB_ÁTTA007</a>	Animal Health and Hygiene	2	2	v	4	7
44.	<a href="#">MENB_AVTA045</a>	Agromarketing I.	2	2	v	4	7
45.	<a href="#">MENB_BÉTA011</a>	Geographic information system	1	2	v	4	7
46.	<a href="#">MENB_NTTA014</a>	Horticulture	2	0	v	4	7
47.	<a href="#">MENB_NTTA035</a>	Basic technology for crop protection	2	0	v	4	7
48.	<a href="#">MENB_NTTA096</a>	Thesis Consultation II. (Bachelor Programme)	0	0	f	6	7

### Hungarian Language (compulsory)

Nr.	Neptun code of course	Name of course	lessons / week	seminars / week	assessment type *	credits
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

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

	Neptun code of course	Name of course	lessons / week	seminars / week	assessment type	credit points
1.	<a href="#">KGNB_VKTA018</a>	Introduction to the Innovation and Research Communication I.	0	0	f	5
2.	<a href="#">KGNB_VKTA019</a>	Introduction to the Innovation and Research Communication II.	0	0	f	5
3.	<a href="#">MENB_ÁTTA037</a>	Pet Breeding	2	1	v	4
4.	<a href="#">MENB_AVTA061</a>	Rural tourism	2	1	v	4
5.	<a href="#">MENB_AVTA062</a>	Services Marketing	2	1	v	4
6.	<a href="#">MENB_AVTA063</a>	Foreign Trade	2	1	v	4
7.	<a href="#">MENB_BÉTA028</a>	Basic machines in food industry	2	1	v	5
8.	<a href="#">MENB_ÉTTA004</a>	Introduction to Chemistry	0	1	v	2
9.	<a href="#">MENB_ÉTTA038</a>	Disaster management	1	2	v	4
10.	<a href="#">MENB_NTTA029</a>	Grassland management	2	2	v	4
11.	<a href="#">MENB_NTTA046</a>	From bio farming to gene technology	2	1	v	4
12.	<a href="#">MENB_NTTA051</a>	Precision crop production	2	1	v	4
13.	<a href="#">MENB_NTTA052</a>	Alternative crop production	2	1	v	4
14.	<a href="#">MENB_NTTA053</a>	Growing of ornamental plants	2	1	v	4
15.	<a href="#">MENB_VKTA035</a>	The Origin, Habitat and Conservation of our Arable Weeds	2	1	v	4

### \* 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. Dóra, Beke**

**Photo of Programme supervisor:**



**CV of Programme supervisor:** [https://admissions.sze.hu/images/cv/CV\\_BD\\_2023%20\(2\).pdf](https://admissions.sze.hu/images/cv/CV_BD_2023%20(2).pdf)

Details of thesis and final exams on: [https://mek.sze.hu/en\\_GB/guide-to-writingtheses-1](https://mek.sze.hu/en_GB/guide-to-writingtheses-1)

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

**Programme mentor:** Edina Kálmán