

## Study plan of, “Biosystems Machinery and Technologies” study programm

1st Semester		2nd Semester		3rd Semester		4th Semester		5th Semester		6th Semester	
Ecology and Environmental Protection	3 KP	Engineering Mathematics II	4 KP	Physics for Engineers II	5 KP	Industrial Automation	6 KP	Renewable Energy and Energy Economics	6 KP	Production Technologies and Quality Management II	3 KP
Digital Solutions in Agriculture	3 KP	Physics for Engineers I	4 KP	Engineering Mathematics III	4 KP	Thermal Engineering	6 KP	Mechatronics	6 KP	Research Methodology in Biosystems Machinery II	3 KP
Engineering Graphics with AutoCAD	3 KP	Wood Processing Technologies and Equipment	6 KP	Embedded Programming for Engineers	6 KP	Dynamic Systems Modeling	6 KP	Applied Mechanics II	6 KP	Vehicle Technologies and Mobile Robots	6 KP
Research Methodology in Biosystems Machinery I	3 KP	Electrical Engineering and Electronics I	3 KP	Electrical Engineering and Electronics II	3 KP	Computer-Aided Design with SolidWorks	6 KP	Application of Unmanned Aerial Vehicles	3 KP	Entrepreneurship for Engineers	3 KP
Agricultural Technologies and Machines I	3 KP	Materials and Material Processing	6 KP	Agricultural Technologies and Machines II	3 KP	Applied Mechanics I	6 KP	<b>Elective Courses</b>	<b>9 KP</b>	<b>Bachelor's Thesis</b>	<b>15 KP</b>
Engineering Psychology	3 KP	Hydraulics and Pneumatics IB	3 KP	Measurement Techniques and Tolerances	3 KP	Food Technologies and Equipment	6 KP				
Labour and Civil Protection	3 KP	Chemistry	3 KP	Production Technologies and Quality Management I	3 KP						
Latvian Language I	3 KP			Hydraulics and Pneumatics IIB	3 KP						
Professional Foreign Language in Biosystems Machinery	3 KP										
Engineering Mathematics I	4 KP										
<b>31 KP</b>		<b>29 KP</b>		<b>30 KP</b>		<b>30 KP</b>		<b>30 KP</b>		<b>30 KP</b>	