

Frame plan Mechatronics / mechatronics

Assembly and maintenance of complex machines, plants and systems in plant engineering and mechanical engineering (electrician within the meaning of UVV)

Duration of training: 3 ½ years

Learning fields according to the curriculum of 9.1.1998	main topics	hours
1st year		
Analyze functional relationships in mechatronic systems	M, E	40
Production of mechanical subsystems	M	80
Installing electrical equipment considering safety aspects	E	100
Investigation of the energy and information flows in electrical, pneumatic and hydraulic assemblies	M, E	60
Communicate with the help of data processing systems	I	40
		320
2nd year		
Planning and organizing work processes	IB	40
Realization of mechatronic subsystems	E, M	100
Design and creation of mechatronic systems	M, E	140
		280
3rd year		
Examine the flow of information in complex mechatronic systems	E, I	80
Planning the assembly and disassembly	M	40
Commissioning, troubleshooting and repair	E, M	160
		280
4th year (1/2 year)		
Preventive maintenance	M, E	80
Transfer of mechatronic systems to customer	E, M	60
		140
	Total hours	1020

Main topics

E - electrical engineering / electronics

M - metal technology / mechanical engineering

I - Computer Science / EDP

IB - Industrial Management