



Mechatronics

Please choose 1 answer unless otherwise information is in the question:

1. How do you assess the professional skills of people who start working in the company?

- very well
- well
- medium
- poor
- very poor

2. Is your company planning to increase employment in the near future?

- yes
- no

3. Please specify how many additional worker your company plans to employ over the next year?

- 1 worker
- between 2 – 5
- between 6 – 10
- more than 10
- the company does not plan to increase employment

4. How do you assess the professional skills of workers who have been working in the company for more than 3 years?

- very well
- well
- medium
- poor
- very poor

5. When recruiting a new employee, does your company prefer a person with:

- no work experience in the industry
- with little professional experience in the branch (up to 1 year)?
- with average professional experience in the branch (from 1 year to 5 years)?
- with extensive professional experience in the industry (over 5 years)?
- it doesn't matter

6. Is the professional experience of job candidates consistent with the business profile of your company?

- Yes
- No



7. What professional competences are desired among potential employees seeking employment in your company? (**you can choose any number of answers**):

- knowledge – what the candidate knows and understands
- skills - what the candidate can do
- social competences - attitudes and values that the candidate represents

8. From the point of view of your company (represented branch), in the case of job candidates, the following requirements are more valuable:

- formal - regarding the education of the job candidate
- informal - concerning the candidate's professional experience necessary to take up the job
- it does not matter

9. When recruiting employees, is your company required to document their education in **the mechatronics profession** (e.g. a diploma confirming professional qualifications after graduating from a technical school)?

- Yes
- No

10. As part of the formal requirements, are candidates for work in your company required to document their education in the form of (you can choose any number of answers):

- a diploma confirming professional qualifications after graduating from a technical school/ another secondary school
- 1st or 2nd degree diploma **in the field of mechatronics** (engineering and/or master's degree)
- other documents (e.g. diplomas, certificates, certificates confirming qualifications useful for the profession of mechatronics technician)

11. If a job candidate fails to meet the formal requirements, do you, as a company, allow the possibility of employment only on the basis of informal requirements?

- yes
- no

12. Which of the informal requirements are particularly important for your company?

- current certificates from employers confirming the candidate's work in the profession of a technical profile;
- written recommendations from previous employers
- we do not take into account informal requirements
- other (please specify which ones?)



13. How do you assess the possibility of acquiring competences while working in the **mechatronics profession** (please refer to each statement)

Statement	Definitely IMPOSSIBLE	Rather IMPOSSIBLE	Difficult to say	Rather POSSIBLE	Definitely POSSIBLE
1) The use of information and communication technology, technological processes, mechatronic systems and office work techniques to perform professional tasks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Planning, organizing and monitoring the correct mechatronic process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Keeping records of simple/not very complex professional tasks related to the mechatronic process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Cooperation with clients/contractors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Work organization and discipline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Social competences determining the proper performance of professional tasks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. Which, in your opinion, from the listed examples of the basic theoretical knowledge are necessary in the work as a mechatronics (mark any number of answers with an x)

What the employee knows and understands:	
1. knows the rules of the selected company functioning in the economic market environment;	<input type="checkbox"/>
2. knows the technical documentation of a mechatronic device or system;	<input type="checkbox"/>
3. knows the rules of device decomposition due to the elements present in it;	<input type="checkbox"/>
4. knows the principles of operation of a mechatronic device or system;	<input type="checkbox"/>
5. knows and understands the most important laws applicable in the mechatronics industry;	<input type="checkbox"/>
6. knows the MS Office package, knows the principles of using computer office programs, Internet resources related to the conducted activity, other technical / technological solutions used in the mechatronics industry;	<input type="checkbox"/>
7. knows the basics of knowledge in the field of office work (IT software, office programs, professional secrecy, personal data protection, operation of equipment and office technology devices, etc.	<input type="checkbox"/>
8. knows and understands the rules, procedures and health and safety standards relating to the performed professional tasks,	<input type="checkbox"/>
9. knows a foreign language (e.g. English) at a communicative/basic level,	<input type="checkbox"/>
10. knows the basic rules of communication necessary to execute orders, maintain contacts with clients and cooperate in a team,	<input type="checkbox"/>



15. Which of the listed practical skills, in your opinion, are necessary in the work as a mechatronics (mark any number of answers with an x)

What the employee can do:	
1. can assemble and disassemble mechatronic devices and systems;	<input type="checkbox"/>
2. can operate mechatronic devices and systems;	<input type="checkbox"/>
3. can design and program mechatronic devices and systems;	<input type="checkbox"/>
4. can install and run mechatronic machines and devices;	<input type="checkbox"/>
5. can make and repair elements of machines, devices and tools;	<input type="checkbox"/>
6. can measure basic quantities which are control parameters;	<input type="checkbox"/>
7. can operate a computer, office programs and use Internet resources to perform simple professional tasks;	<input type="checkbox"/>
8. is able to supervise the operation of automated industrial processes and modern technical devices;	<input type="checkbox"/>
9. is able to work in interdisciplinary teams solving problems related to the design, manufacture and diagnosis of mechatronic systems;	<input type="checkbox"/>
10. can use a foreign language at a communicative level in contacts with clients/contractors;	<input type="checkbox"/>

16. Which of the listed social competences, in your opinion, are necessary in the work as a mechatronics (mark any number of answers with an x)

Attitudes, features and values that a person represents:	
1. organizational skills	<input type="checkbox"/>
2. the ability to concentrate and divide attention	<input type="checkbox"/>
3. discipline	<input type="checkbox"/>
4. reliable performance of the entrusted professional tasks	<input type="checkbox"/>
5. readiness to exercise due diligence in performing professional activities	<input type="checkbox"/>
6. readiness to cooperate in the performance of professional activities;	<input type="checkbox"/>
7. readiness to comply with applicable ethical standards and cultural principles;	<input type="checkbox"/>
8. readiness to act in accordance with the regulations and procedures established by the employer, related to professional activities - to comply with the principles of work discipline;	<input type="checkbox"/>
9. readiness to take into account direct and deferred, easy ones to predict the effects of your job;	<input type="checkbox"/>
10. readiness to communicate in the work environment in the following way	<input type="checkbox"/>

17. Sex

- female
- male

18. Age

- less than 30
- 31 – 40 years
- 41 – 50 years
- 51 – 60 years
- more than 60 year



19. Period of work in the company

- less than 1 year
- between 2 – 5 years
- between 6 – 10 years
- between 11 – 15 years
- between 16 – 20 years
- more than 20 years

20. Education

- basic
- secondary
- higher

21. Number of employees in the enterprise:

- up to 10 people
- from 11 to 49 people
- from 50 to 249 people
- more than 250 people

Disclaimer: The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.