

EDUCATIONAL PROGRAM

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| AREA OF KNOWLEDGE | 13 MECHANICAL ENGINEERING |
| SPECIALITY | 131 APPLIED MECHANICS |
| EDUCATIONAL LEVEL | THIRD (EDUCATIONAL-SCIENTIFIC) |
| LEVEL | |

| Profile of the program | |
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| Doctor of Philosophy in the field of Applied Mechanics | |
| Diploma type and scope of work | Diploma of Doctor of Philosophy, first degree, 4 academic years, 60 credits of ECTS |
| Institution of higher education | Chernihiv National University of Technology, Chernihiv |
| Accrediting institution | Ministry of Education and Science of Ukraine, Ukraine Peremohy av., 10, Kyiv, 01135 |
| Period of accreditation | 2016 year |
| Program level | QF for EHEA - third cycle, EQF for LLL - 8 level; NQF of Ukraine - level 8 |
| Diploma type and scope of work | Diploma of Doctor of Philosophy, first degree, 4 academic years, 60 credits of ECTS |
| A | Purpose of the program |
| | To provide, on the basis of the master's degree, the training of scientific and scientific and pedagogical staff in the field of technology of mechanical engineering by obtaining them the competencies sufficient for the implementation of original scientific research, the results of which have scientific novelty, theoretical and practical value, as well as their support in the course of preparation and Phd defence thesis. |
| B | Characteristics of the program |
| 1 | Subject area (field of knowledge) Applied mechanics (13 – Mechanical engineering) |
| 2 | Program focus: general/special The third (educational-scientific) level of higher education according to the Law of Ukraine "About Higher Education", the eighth qualification level of the National Qualifications Framework. General. Study of the patterns concerning: - tendencies of the development of technologies of automated production and modern systems of technological processes control; - development of the scientific base of the technology of mechanical engineering; - use of reasonable and justified technologies of machining, assembly and repair; - introduction of CNC machine tools into technological processes; - the diversity of mechanical objects, understanding the significance of mechanics for the development of society; - use of modern information technologies in manufacturing engineering; - effective use of modern statistical methods of research. Special. - fundamentals of designing of the progressive technological processes of parts manufacturing and machines assembling; - technological bases of accuracy formation and quality of machine parts surfaces; - methods of controlling the accuracy and quality of machining and assembling; - methods of machining, their stability and reliability; |

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| | | <ul style="list-style-type: none"> - analysis and synthesis of the technological systems of machining and assembling; - control, management and diagnostics of the technological systems; - problems of typization and development of the group technological systems; - automation of auxiliary operations of the assembling production; - technological problems of flexible and automated machine-building production. |
| 3 | Program orientation | Investigational and applied. Scientific research in the field of applied mechanics and manufacturing technology, which will be widely practical applications. |