

Scope of interviews for candidates for second cycle studies in the academic year 2020/2021

Field of study		The scope of the interview includes:
Advanced Mechanical Engineering (four-semester studies)	conducted in English	<ol style="list-style-type: none"> 1. testing competence in the field of technical sciences at the level of first cycle studies 2. checking the aptitude to continue studies in mechanics and mechanical engineering: <ul style="list-style-type: none"> - basic construction skills - basic knowledge of mechanics, strength, materials engineering, manufacturing techniques, thermodynamics and fluid mechanics 3. analysing the programme followed by the candidate on his/her first degree studies 4. verifying oral and written English language skills
Applied Information Technology	conducted in Polish	<ol style="list-style-type: none"> 1. testing competence in the field of technical sciences at the level of first degree studies 2. checking the predisposition to continue studies in the field of applied computer science 3. analysing the programme completed by the candidate on his/her first cycle studies <p><i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i></p>
Applied Mathematics	conducted in Polish	<p>no interviews are planned</p> <p><i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i></p>
Architecture	conducted in Polish	<ol style="list-style-type: none"> 1. learning outcomes included in the first cycle of studies in architecture or architecture and urban planning 2. checking the predisposition to continue studies in the technical field: portfolio evaluation 3. analysing the candidate's programme (based on the Diploma Supplement) for compatibility with the training programme for architects' engineers offered by the Faculty of Civil Engineering, Architecture and Environmental Engineering of the Lodz University of Technology within the framework of first degree studies and with Directive 2005/36/EC <p>Candidates are asked to bring their portfolios (both printed and digitalised on CD or DVD) to the interview, and to bring them to the interview. documenting the candidate's achievements. The portfolio should contain:</p> <ul style="list-style-type: none"> - at least one own (100%) architectural design - at least one own (100%) urban development project - documentation of the engineering diploma project - the drawing, photographic and sculptural works selected by the candidate <ul style="list-style-type: none"> - graphic information about other achievements in the field of architecture and urban planning (competitions, seminars, etc.). <p>For candidates wishing to study in English, knowledge of foreign languages will be taken into account (a possible certificate may be presented during the interview)</p> <p><i>Candidates should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected English language activities.</i></p>

Automatic Control and Robotics	conducted in Polish	no interviews are planned <i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected activities in the foreign language.</i>
Automation and Robot Control	conducted in Polish	Checking the educational results of the first cycle of studies in the field of <ul style="list-style-type: none"> - knowledge of methods to describe the dynamics of automation systems - basic knowledge of analogue and digital signal processing - basic knowledge of electrical signal measurement techniques - knowledge of the basics of digital technology - knowledge of the basics of construction and analysis of the operation of automation systems - knowledge of types of regulators, rules of their selection, methods of checking stability <i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected activities in the foreign language</i>
Bioeconomy (three-semester studies)	conducted in Polish	<ol style="list-style-type: none"> 1. testing competence in technical sciences at the level of first cycle studies 2. checking the predisposition to continue studies in the field of bioeconomy 3. an analysis of the programme implemented in the first cycle of studies <i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i>
Biomedical Engineering	conducted in Polish	Checking the learning outcomes of first cycle programmes in the field: <ul style="list-style-type: none"> - knowledge of the basics of biochemistry, physiology and anatomy - medical imaging systems, signal and image processing methods - knowledge of measurement methods used in medical diagnostics - knowledge of the properties of biomedical materials and their functioning in the human body <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>
Biotechnology (three-semester studies)	conducted in Polish	<ol style="list-style-type: none"> 1. verification of competence in technical sciences at the first cycle level 2. checking the predisposition to continue studies in biotechnology 3. analysing the programme completed in the first cycle of studies <i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i>

Biotechnology (four-semester studies)	conducted in Polish	<ol style="list-style-type: none"> 1. checking the predisposition to continue studies in biotechnology 2. analysing the programme completed in the first cycle of studies <p><i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i></p>
Chemical and Biochemical Engineering (three-semester studies)	conducted in Polish	<p>no interviews are planned</p> <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Chemical and Biochemical Engineering (four-semester studies)	conducted in Polish	<p>no interviews are planned</p> <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Chemical Technology	conducted in Polish	<p>no interviews are planned</p> <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Chemistry	conducted in Polish	<p>no interviews are planned</p> <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Chemistry in Forensics	conducted in Polish	<p>no interviews are planned</p> <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Chemistry of Building Materials	conducted in Polish	<p>no interviews are planned</p> <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>

Civil Engineering	conducted in Polish	<p>1. educational outcomes included in the curriculum of first cycle studies in the field of civil engineering 2. evaluating the student's achievements The following will be taken into account when assessing student achievements: - Participation in 1. analysing the programme followed by the candidate (on the basis of the Diploma Supplement) in terms of possibilities continuing education in the field of Urban Revitalisation 2. evaluating the student's achievements The following will be taken into account when assessing student performance: - participation in scientific circles (confirmed by the Circle's tutor - scientific publications (publication to be viewed), - possible professional achievements (apprenticeship in the profession - relevant certificate of completion), - Participation in the development of projects carried out outside the compulsory studies (project for review). For each additional achievement, between 0 and 10 points will be awarded. - scientific circles (confirmed by the Circle's tutor) - academic publications (publication - available for inspection) - possible professional achievements (apprenticeship in the profession - relevant certificate of completion) - Participation in the development of projects carried out outside the compulsory studies (project for review) For each additional achievement, between 0 and 10 points will be awarded.</p> <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Computer Science and Information Technology (three-semester studies)	conducted in English	<p>1. testing competence in the field of technical sciences at the level of first cycle studies 2. checking the predisposition to continue studies in the field of computer science 3. analysing the programme completed by the candidate on his/her first cycle studies 4. verifying oral and written English language skills</p>
Cosmetics Technology (three-semester studies)	conducted in Polish	<p>1. testing competence in technical sciences at the level of first degree studies 2. checking the predisposition to continue studies in cosmetic technology 3. analysing the programme implemented in the first degree programme</p> <p><i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i></p>
Cosmetics Technology (four-semester studies)	conducted in Polish	<p>1. checking the predisposition to continue studies in the field of cosmetics technology 2. analysing the programme implemented in the first cycle of studies</p> <p><i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i></p>

Design	conducted in Polish	<ol style="list-style-type: none"> 1. assessing the learning outcomes achieved by the candidate in comparison with the learning outcomes for the field of design, first cycle study, conducted by the Faculty of Materials Technology and Textile Design at TUL 2. checking the predisposition to continue studies in design 3. analysing the programme followed by the candidate on his/her first cycle studies <p><i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i></p>
Design	conducted in English	<ol style="list-style-type: none"> 1. assessing the learning outcomes achieved by the candidate in comparison with the learning outcomes for the design faculty, first cycle study, conducted by the Faculty of Materials Technology and Textile Design at TUL 2. checking the predisposition to continue studies in design 3. analysing the programme realised by the candidate on his/her first cycle studies <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Electrical Engineering	conducted in Polish	<p>Checking the educational outcomes of first cycle studies in the field:</p> <ul style="list-style-type: none"> - calculation of DC circuits - calculation of alternating current circuits - electrical signal measurement techniques - knowledge of the basics of construction and analysis of the operation of automation systems - basic knowledge of synchronous and asynchronous electrical machines <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Electrical Engineering (Internet Technologies in Mechatronics)	conducted in English	<p>Checking the educational outcomes of first cycle studies in the field:</p> <ul style="list-style-type: none"> - calculation of DC circuits - calculation of alternating current circuits - electrical signal measurement techniques - knowledge of the basics of construction and analysis of the operation of automation systems - basic knowledge of synchronous and asynchronous electrical machines <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>

Electronic and Telecommunication Engineering (four-semester studies)	conducted in English	<ol style="list-style-type: none"> 1. testing the competence in the field of technical sciences at the level of first cycle studies, and in particular: <ul style="list-style-type: none"> - calculation of electrical circuits - semiconductor devices - logical systems - microprocessor systems - the basis for signal processing and transmission 2. checking the predisposition to continue studies in electronics and telecommunications 3. analysing the programme completed by the candidate on his/her first cycle studies 4. verifying oral and written English language skills
Electronics and Telecommunications	conducted in Polish	<p>Checking the educational outcomes of first cycle studies in the field:</p> <ul style="list-style-type: none"> - calculation of electrical and electronic circuits - semiconductor devices - logical systems - microprocessor systems - the basis for signal processing and transmission <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Electronics and Telecommunications (Applied Electronics)	conducted in English	<p>Checking the educational outcomes of first cycle studies in the field:</p> <ul style="list-style-type: none"> - calculation of electrical and electronic circuits - semiconductor devices - logical systems - microprocessor systems - the basis for signal processing and transmission <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Energetics	conducted in Polish	<p>no interviews are planned</p> <p><i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i></p>

Energy Systems in the Built Environment (three-semester studies)	conducted in English	no interviews are planned <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>
Environmental engineering (three-semester studies)	conducted in Polish	no interviews are planned <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>
Environmental engineering (four-semester studies)	conducted in Polish	no interviews are planned <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>
Food Technology and Human Nutrition (three-semester studies)	conducted in Polish	<ol style="list-style-type: none"> 1. testing competence in technical sciences at the level of first degree studies 2. checking the aptitude to continue studies in food technology and human nutrition 3. analysing the programme implemented in the first degree programme <i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i>
Food Technology and Human Nutrition (four-semester studies)	conducted in Polish	<ol style="list-style-type: none"> 1. checking the predisposition to continue studies in food technology and human nutrition 2. analysing the programme completed in the first cycle of studies <i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i>
Industrial Biotechnology (three-semester studies)	conducted in English	<ol style="list-style-type: none"> 1. testing competence in the field of technical sciences at the level of first degree studies 2. checking the predisposition to continue studies in biotechnology 3. analysing the programme implemented by the candidate on his/her first degree studies 4. verifying oral and written English language skills

Information Technology	conducted in Polish	<p>Checking the educational outcomes of first cycle studies in the field:</p> <ul style="list-style-type: none"> - hardware construction and computer architecture - algorithms and data structures and programming methods - databases - computer networks - computer graphics and image processing <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Management	conducted in Polish	<p>1. checking basic competences in the field:</p> <ul style="list-style-type: none"> - management - corporate finance - marketing - human resources management - the basis for quantitative methods <p>2. checking the predisposition to continue studies in management</p> <p>3. analysing the programme implemented by the candidate on his/her first cycle studies</p> <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Management (four-semester studies)	conducted in English	<p>1. checking basic competences in the field:</p> <ul style="list-style-type: none"> - management - corporate finance - marketing - human resources management - the basis for quantitative methods <p>2. checking the predisposition to continue studies in management</p> <p>3. analysing the programme implemented by the candidate on his/her first degree studies</p> <p>4. verifying oral and written English language skills</p>

Management and Production Engineering	conducted in Polish	<ol style="list-style-type: none"> 1. checking knowledge in the area of technical and social sciences in the field of: <ul style="list-style-type: none"> - production management, ergonomics, - production cost management, - marketing and human resources management, - quality management - the basis for quantitative methods 2. checking the predisposition to continue studies in management and production engineering 3. analysing the programme implemented by the candidate in the first degree studies <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
Management and Production Engineering (4-semester studies)	conducted in English	<ol style="list-style-type: none"> 1. checking basic competences in the field of: <ul style="list-style-type: none"> - production, - manufacturing, - production costs, - human resources management, - quality management - the basis for quantitative methods 2. checking the predisposition to continue studies in management and production engineering 3. analysing the programme completed by the candidate on his/her first cycle studies 4. verifying oral and written English language skills
Materials Engineering	conducted in Polish	<p>no interviews are planned</p> <p><i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i></p>
Mechatronics	conducted in Polish	<p>Checking the learning outcomes of first cycle programmes in the field:</p> <ul style="list-style-type: none"> - knowledge of the basics of mechatronics - basic knowledge of electrical and mechanical signal measurement - knowledge of the basics of electrical engineering and electronics - knowledge of the basics of computer science - basic knowledge of automation and control theory <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>

Mechanics and Mechanical Engineering	conducted in Polish	no interviews are planned <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>
Nanotechnology	conducted in Polish	no interviews are planned <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>
Networks and Installations in Environmental Engineering	conducted in Polish	1. educational results included in the first cycle of studies in environmental engineering 2. evaluation of the student's achievements The following will be taken into account when assessing student performance: - Participation in scientific circles (confirmed by the Circle's tutor) - scientific publications (publication - available for inspection) - possible professional achievements (apprenticeship in the profession - relevant certificate of completion) - Participation in the development of projects carried out outside the compulsory studies (project for review). For each additional achievement, between 0 and 10 points will be awarded. <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>
Paper and Printing Technology (full-time, four-semester studies) (practical profile)	conducted in Polish	1. checking competence in the area of technical or scientific sciences at the level of first cycle studies, in particular: basic chemistry or physics, or mathematics, or computer science. 2. checking the predisposition to study paper and printing. 3. analysing the program followed by the candidate at the first or second cycle studies <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>
Paper and Printing Technology (part-time, four-semester studies) (practical profile)	conducted in Polish	1. checking competence in the area of technical or scientific sciences at the level of first cycle studies. 2. testing the aptitude to study paper and printing. 3. analysing the programme implemented by the candidate at the first or second cycle studies. <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>

Technical Physics	conducted in Polish	no interviews are planned <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>
Textiles, Textile and Fashion Industry	conducted in Polish	1. assessing the learning outcomes achieved by the candidate in comparison with the learning outcomes in the field of textile or textile and fashion industry, first cycle studies, conducted by the Faculty of Materials Technology and Textile Design at TUL 2. checking the predisposition to continue studies in the field of textiles 3. analysing the programme implemented by the candidate on his/her first degree studies <i>Candidates should have foreign language skills at B2 level of the Common European Framework of Reference for Languages, allowing them to actively participate in selected classes held in the foreign language.</i>
Textiles	conducted in English	1. assessing the learning outcomes achieved by the candidate in comparison with the learning outcomes for the faculty of textile or textile and fashion industry, first cycle studies, conducted by the Faculty of Materials Technology and Textile Design at TUL 2. checking the predisposition to continue studies in the field of textiles 3. analysing the programme implemented by the candidate on his/her first degree studies <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>
Transport	conducted in Polish	Checking the learning outcomes of first cycle programmes in the field: - railway and tramway traction supply systems - pneumatic and electrodynamic braking of trains - electrical circuits in traction vehicles - control-command and signalling systems <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>
Urban Planning	conducted in Polish	1. learning outcomes included in the first cycle programme of studies in spatial management 2. evaluation of the student's achievements When assessing a student's achievements, the following will be taken into account: - Participation in scientific circles (confirmed by the Circle's tutor) - scientific publications (publication - available for inspection) - possible professional achievements (apprenticeship in the profession - relevant certificate of completion) - Participation in the development of projects carried out outside the compulsory studies (project for review). For each additional achievement, between 0 and 10 points will be awarded. <i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i>

Urban Revitalization	conducted in Polish	<p>1. analysing the programme carried out by the candidate (on the basis of the Diploma Supplement) in terms of possibilities continuing education in the field of Urban Revitalisation</p> <p>2. evaluating the student's achievements</p> <p>The following will be taken into account when assessing student performance:</p> <ul style="list-style-type: none"> - participation in scientific circles (confirmed by the Circle's tutor), - scientific publications (publication to be viewed), - possible professional achievements (apprenticeship in the profession - relevant certificate of completion), - Participation in the development of projects carried out outside the compulsory studies (project for review). <p>For each additional achievement, between 0 and 10 points will be awarded.</p> <p><i>The candidate should have English language skills at B2 level of the Common European Framework of Reference for Languages, allowing him/her to actively participate in selected classes conducted in English.</i></p>
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