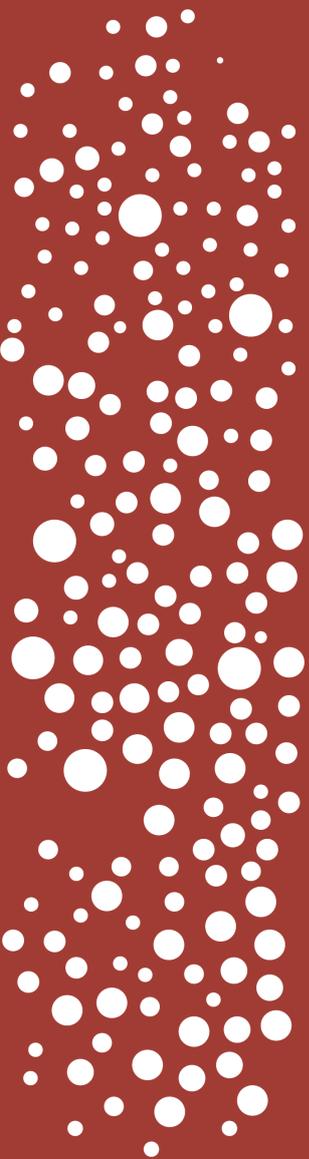


Analysis of the training
offer in the field of
Design
Poland



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The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect 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.

Content

PARTNERS:	2
CONTENT	3
1. GENERAL DESIGN OFFER IN POLISH HEIS PUBLIC SECTOR	4
2. GENERAL DESIGN OFFER IN POLISH HEIS PRIVATE SECTOR	13
3. TECHNICAL SKILLS	13
4. DIGITAL SKILLS	16
5. GREEN SKILLS	18
6. SOFT SKILLS	18
7. SUMMARY	19
TABLES AND FIGURES	20
TABLES	20
FIGURES	20



1. General Design Offer In Polish HEIs Public Sector

In Polish public sector Design offer is mostly referring to Artistic HEIs. In Poland we have 7 public academies of fine arts:

- The Academy of Fine Arts In Katowice
- The Academy of Fine Arts In Gdańsk
- The Academy of Fine Arts In Warsaw
- The Academy of Fine Arts In Kraków
- The Academy of Art In Szczecin
- The Eugeniusz Geppert Academy of Art and Design in Wrocław
- The Władysław Strzemiński Academy of Fine Arts in Łódź

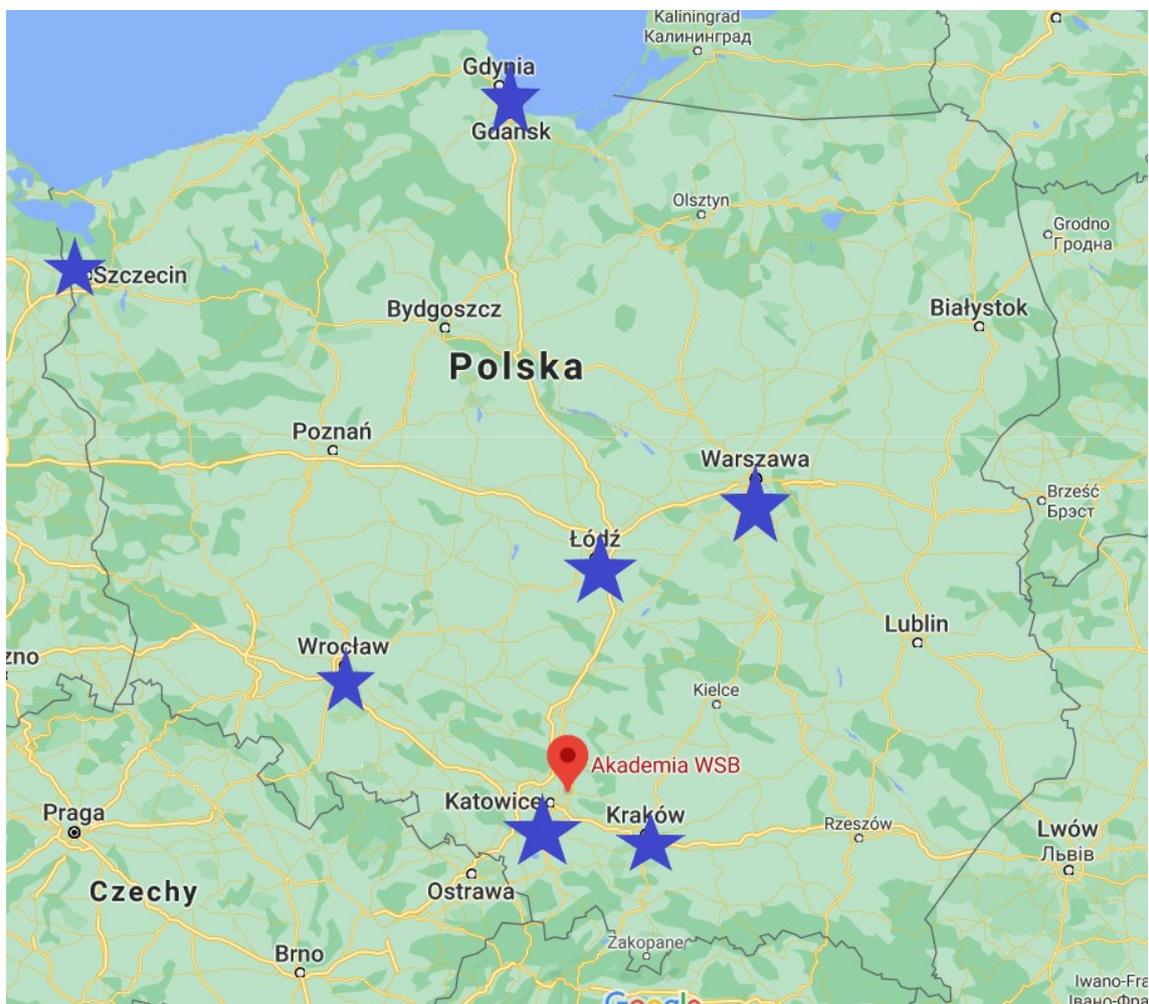


Figure 1. Map of General Design Offer In Polish Artistic HEIs Public Sector



The specific of Polish public offer is that also technical universities have studies on 1st and 2nd cycle on Design or with some design competences in their educational programs.

- Technical Polish public HEIs with strong design offer are:
- Lodz University of Technology
- Czestochowa University of Technology
- Lublin University of Technology
- Cracow University of Technology
- Koszalin University of Technology
- Opole University of Technology
- Kielce University of Technology
- Poznan University of Technology



Figure 2. Map of General Design Offer In Polish Technical HEIs Public Sector



In the table below, examples of descriptions and main skills that will be acquired by students of artistic and technical study programmes in Public sector, are listed.

NAME	Name and type of study program	Description	Main skills to be acquired
THE ACADEMY OF FINE ARTS IN KATOWICE	<p>Design</p> <p>Full-time: 3.5 years (first-cycle studies) Full-time: 2 years (second-cycle studies)</p>	<p>Studies in the field of Design address issues related to product design, visual information systems design, visual identity, and statistical data visualization. These subjects are taken in the context of social and cultural needs, utility issues and related aesthetic and technical problems. The curriculum also includes an analysis of issues of perception and human behaviour, directing the learning process at mastering the skills of analysis, critical evaluation, inference, with particular emphasis on functionality and socio-cultural context.</p> <p>Studies in Industrial Design furthermore equip students with the knowledge and skills in the field of technical drawing, ergonomics and industrial technology basics and enable them to acquire experience in working with business partners. Industrial Design field has partnered with companies such as bathroom fittings manufacturing company ROCA, Zawiercie Glassworks or Komandor furniture manufacturing company.</p>	<p>product design, visual information systems design, visual identity, and statistical data visualization, technical drawing, ergonomics and industrial technology basics</p>
THE ACADEMY OF FINE ARTS IN KATOWICE	<p>Graphic Design</p> <p>Full-time: 3.5 years (first-cycle studies) Full-time: 2 years (second-cycle studies) Part-time: 3.5 years (first-cycle studies) Part-time: 2 years (second-cycle studies)</p>	<p>Studies in Graphic Design provide education in all areas necessary in the work of a modern graphic designer. The curriculum includes compulsory courses in the basics of typography, visual communication, animation, multimedia, editorial design, illustration, poster design, photography and others. There are also compulsory general subjects such as composition, drawing, painting, printmaking and sculpture. The wide scope of the curriculum gives you the opportunity to learn the basics of marketing and programming. After completing compulsory basic program, students make individual choice by selecting the area of specialization: multimedia design or editorial design.</p>	<p>the basics of typography, visual communication, animation, multimedia, editorial design, illustration, poster design, photography</p>
	<p>Painting</p> <p>Full-time: 5 years (long-cycle studies)</p>	<p>Studies in the field of Painting provide the necessary theoretical knowledge and practical skills in painting, drawing, sculpture and related disciplines. Compulsory subjects at the Basic Education Studio for the 1st and 2nd year</p>	<p>painting, drawing, composition, drawing and painting technology, design basics, computeraided design and electronic media, sculpture, and photography.</p>



THE ACADEMY OF FINE ARTS IN KATOWICE		students include: drawing, painting, composition, drawing and painting technology, design basics, computeraided design and electronic media, sculpture, and photography. The axis of the Painting Chair are thirteen author's diploma studios, which specialize in painting, drawing, interdisciplinary actions, sculpture and scenography. The curriculum is created by professionally active artists and implemented individually based on the traditional values of painting and drawing workshop, as well as the crucial new developments and trends in contemporary art.	
THE ACADEMY OF FINE ARTS IN KATOWICE	<p>Graphic Art</p> <p>Full-time: 5 years (long-cycle studies)</p>	Studies in the field of Graphic Art provide education in both the classical graphic techniques – relief printing, intaglio, lithography and screen printing, as well as contemporary digital technology (digital graphics and intermedia) and a number of areas that combine these techniques (such as book graphics and interdisciplinary studios). The curriculum includes a compulsory foundational course in each of the abovementioned techniques. At a further stage of study the student has the choice of specialization, creating graphic works at one of the diploma studios run by graphic artists of recognized artistic achievements. Additional compulsory subjects include: drawing, painting, composition, photography, sculpture, typography basics, graphic design and editorial graphics.	classical graphic techniques – relief printing, intaglio, lithography and screen printing, as well as contemporary digital technology (digital graphics and intermedia) and a number of areas that combine these techniques (such as book graphics and interdisciplinary studios).
THE ACADEMY OF FINE ARTS IN KATOWICE	<p>Inclusive Design: Health and Social Well-Being</p> <p>Level: Master's Duration: 2 years, full time</p>	<p>A good design is a reflection of the designer's creative skills combined with innovation and technological potential. It is also one that seamlessly blends in with its cultural and social contexts. This holistic approach to the design process lies at the heart of our Inclusive Design: Health and Social Well-Being interdisciplinary program.</p> <p>Students will not only develop creative skills, but also gain the confidence to take up and tackle bold design challenges. Students will be encouraged to experiment and learn how to cooperate with the future recipients of creative ideas – services, applications, and devices. It is a two-year master's degree program that offers the opportunity of working with key experts in the field – for example designers from The Helen Hamlyn Centre For Design – as well as leading design</p>	creative skills combined with innovation and technological potential, confidence to take up and tackle bold design challenges.



		studios in Poland and abroad that use the Inclusive Design methodology.	
THE ACADEMY OF FINE ARTS IN GDAŃSK	<p>INTERIOR DESIGN</p> <p>Full-time: 3.5 years (first-cycle studies) Full-time: 2 years (second-cycle studies)</p>	Studies focused of interior design.	<p>Basics of Architecture Design Composition and Modeling Presentation Techniques Sculptural Forms Drawing Painting Photography and Image Edition Descriptive Geometry and Perspective Computer Support Course Basics of Ergonomics Presentation Techniques Project Techniques (material, form, light, colour, 3D support, elements of Autocad) Prototyping A Technical Documentation Basics of Public Interior Design Basics of Private Interior Design Elements of Stage Design in Interior Architecture Basics of Furniture Design Interior Design Furniture Design Architecture of Performance and Stage Design City Interior Design Detail in Interior Design Social Psychology</p>
THE ACADEMY OF FINE ARTS IN GDAŃSK	<p>Design</p> <p>Full-time: 3.5 years (first-cycle studies) Full-time: 2 years (second-cycle studies)</p>	Studies focused on different technical aspects of design	<p>Basics of Design Presentation Techniques Basics of Modeling and Composition Drawing Photography and Image Edition Descriptive Geometry and Perspective Basics of Computer Designing Support Basics of Design Presentation Techniques Sculptural Forms Prototyping Technical documentation Design Basics of Vessel Architecture Basics of Visual Communications Basics of Typography Social Design Visual communication Multidimensional design Experimental Design Serial Furniture Design Product Design Anthropological Laboratory</p>



			<p>Anthropology of Place and Objects Industrial Product Design Visual communication Multidimensional design Design of Naval Architecture Speculative Design</p>
<p>THE ACADEMY OF FINE ARTS IN GDAŃSK</p>	<p>Graphic Arts – 1st cycle studies</p>	<p>Studies focused on graphic arts.</p>	<p>Basics of Artistic Graphics Basics of Graphic Design Lettering and Typography Basics of Drawing and Painting Basics of Sculpture Computer Workshop and Digital Tools Linocut Serigraphy Lithography Intaglio Printing Digital Techniques Basics of Interactive Graphics Basics of Multimedia Technologies Drawing and Painting Animation and Visual Actions Design for Culture Poster and Advertising Forms Design Social Propaganda Graphic Signal in Public Space Introduction to Book Design Photography Illustration Basics of Interactive Graphics Psychophysiology of Vision</p>
<p>THE ACADEMY OF FINE ARTS IN GDAŃSK</p>	<p>ARTSTIC GRAPHICS – second cycle studies</p>	<p>Studies focused on artistic graphics.</p>	<p>Linocut Serigraphy Litography Intaglio Printing Digital Techniques Animation and Visual Actions Social Propaganda Poster and Advertising Forms Design Book Design Design for Culture Illustration Graphic Signal in Public Space Artistic Photography and Image Editing</p>
<p>THE ACADEMY OF FINE ARTS IN GDAŃSK</p>	<p>Intermedia; specialization: Animation - 1st cycle studies - Second cycle studies</p>	<p>Studies focused on media udage in design, with specific notice on animation.</p>	<p>Introduction to artistic and research projects Visual Narration Sensual Perception DTP Workshop Basics of Audio Basics of Digital Photography Basics of Digital Technologies Basics of Animation Animation Workshop The Language of Movie</p>



			<p>History of Movie and Animated Movie Dynamic Drawing Painting Graphic Design Movie Image Production Digital Photography Issues of Drawing Studio of Transdisciplinary Activities Studio of Audio and Video Video Image Production Creative Photography Digital Technologies Space Occupation Multimedia Graphics Critical Artistic Practice in the Social Space Generative image manipulation</p>
Lodz University of Technology	<p>Faculty of Material Technologies and Textile Design</p> <p>Design</p> <p>First-cycle Full-time (degree programme) 1,5 years</p> <p>Second-cycle Full-time (degree programme) 3,5 years</p>	<p>The hallmark of this field of study is its interdisciplinarity. Students develop their knowledge of history and theory of art and design; develop their creative activity and also, depending on the specialization they choose, learn about material techniques, technologies and solutions used in industry.</p> <p>The management of the Faculty running the field of study have signed cooperation agreements with MONNARI TRADE in Lodz, REDAN SA in Lodz. The university collaborates with numerous graphics studios, printing houses and industrial organizations such as Dywilan Łódź SA - woolen rugs manufacturer, Teofilów SA - textiles and apparel manufacturer, IKEA in Lodz, CAMELA SA in Walbrzych.</p>	<p>Graduates are qualified to start professional practice as a textile designer designing textiles, textile products for interior design, apparel, lingerie or designer of systems of visual and media communications. They are able to work either on their own or as a member of a design team. They work as woven and knitted fabrics, apparel and lingerie designers, stylists, design consultants, visual communication designers, applied graphics designers.</p>
Lodz University of Technology	<p>Faculty of Material Technologies and Textile Design</p> <p>Textiles and Fashion Industry</p> <p>First-cycle Full-time (degree programme) 3,5 years</p>	<p>It is a direction for people who want to learn what to become, the interdisciplinary textile industry and the fashion industry of the 21st century. It is intended for people who spend the night about innovation and interdisciplinary creation of newcomers, novice novice. It is estimated that by 2035 there will be an almost 40% increase in the number of companies in this case.</p>	<p>The curriculum enables students to acquire skills in the use of biotechnology, electrical engineering and nanotechnology for the production of new textiles, 3D products, smart textiles and textile biomaterials. These solutions are used not only in the production of clothing, but also, inter alia, medical materials, personal protection, composite, geo- and agro-textiles.</p>
Lodz University of Technology	<p>Faculty of Material Technologies and Textile Design</p>	<p>This programme is a continuation of the first-cycle programme.</p>	<p>It trains specialist in the field with high potential for innovation. The curriculum makes it possible to learn the skills related to design and engineering of textiles for</p>



	<p>Textile Engineering</p> <p>Second-cycle Full-time (degree programme) 1,5 years</p>		<p>medical, sports and transport applications based on the latest material technologies. Student also learn to develop specialized textile applications for many different areas of human activity.</p>
Czestochowa University of Technology	<p>Faculty of Management</p> <p>Design and project management</p> <p>First-cycle Full-time (degree programme) 3,5 years</p>	<p>The curriculum for Design and Project Management prepares the graduate to gain broad knowledge in the field of management, especially project management, and implementation of new products and services.</p>	<p>The graduate is able to analyze and evaluate the economic, social and environmental conditions of the contemporary market, knows financial instruments operating in the area of economic activity, including those related to the creation of innovative micro-enterprises. He has and uses knowledge in the field of modern information and multimedia technologies as well as methods of promotion and sale of products and services. He can create projects of innovative solutions, assess the applicability of their application, and implement and optimize the best of them. He is also properly prepared to organize new projects and work in creative and design teams. Based on the interdisciplinary knowledge acquired during studies, the graduate has the ability to formulate strategic goals and action strategies in the context of creating and then implementing new projects: products and services. The graduate prepared to act as a leader in creative project teams.</p>
Lublin University of Technology	<p>Faculty of Electrical Engineering and Computer Science</p> <p>Multimedia Engineering</p> <p>First-cycle Full-time (degree programme) 3,5 years</p>	<p>Multimedia engineering is a modern, interdisciplinary field of study combining knowledge in the areas of engineering and technical sciences and social sciences.</p>	<p>This direction is aimed at young people with passion and the opportunity to acquire the skills to use modern electronics used in artistic and utility projects and in the field of multimedia techniques operating in the field of marketing.</p>
Cracow University of Technology	<p>Faculty of mechanical engineering</p>	<p>The field of Industrial Design Engineering covers two areas of education: technical sciences and art in the field of plastic arts. It is run by highly qualified staff with competence in technical sciences</p>	<p>The graduate will have the knowledge, skills and competences to design a product in accordance with the given technical characteristics and the</p>



	<p>Industrial Design Engineering</p> <p>First-cycle Full-time (degree programme)</p>	<p>(employees of the Krakow University of Technology) and in the field of art (employees of the Academy of Fine Arts in Krakow). The studies prepare for the profession of design engineering with a specialization in Industrial Design Engineering.</p> <p>Studies specialties: - Product design, - Design of means of transport</p>	<p>requirements of ergonomics and aesthetics. In addition, the study program focuses on working in multidisciplinary project teams.</p>
<p>Koszalin University of Technology</p>	<p>Institute of Industrial Design</p> <p>Design</p> <p>First-cycle Full-time (degree programme) 3,5 years</p> <p>Second-cycle Full-time (degree programme) 2 years</p>	<p>Design studies prepare the student for product design and visual communication, they are art studies that emphasize the social mission. The education covers issues related to the theory of design, human knowledge, technical and economic knowledge, and techniques supporting design.</p>	<p>The requirement of studies in this discipline is the ability to combine artistic skills and creativity with knowledge of many issues in the field of technology, ergonomics, fine arts and other areas of knowledge.</p>
<p>Opole University of Technology</p>	<p>Faculty of Mechanical Engineering</p> <p>Industrial Design</p> <p>Motorisation design engineering</p> <p>First-cycle Full-time (degree programme) 3,5 years</p>	<p>A candidate for that department shall possess spatial imagination as well as highly developed creativity and ability to solve. An industrial designer shall not only take care of aesthetic aspect of a thing but also to search for new functional solutions, construction and material ones to adjust them to the needs and requirements of the end user.</p>	<p>Graduates with the qualifications of motorisation design engineering are valuable employees at positions such as CAD constructor, product engineer or project manager especially in the area of modern motorisation industry.</p>
<p>Kielce University of Technology</p>	<p>Faculty of Mechatronics and Mechanical Engineering</p> <p>Design</p> <p>First-cycle Full-time (degree programme) 3,5 years</p>	<p>A candidate for this field of study must show artistic talents, have spatial imagination, creativity and the ability to solve technical problems. The task of each design designer is not only to take care of the aesthetic side of the object, but also to search for the best functional, construction and material solutions tailored to the needs and requirements of the recipient.</p>	<p>Graduates receive a very good theoretical and practical preparation to take up and solve engineering problems as an industrial design designer - in the field of creating new industrial designs, developing prototypes, product design or industrial forms, including engineering elements, design arts and economic sciences.</p>



Poznan University of Technology	Institute of Interior Design and Industrial Design Interior Design First-cycle Full-time (degree programme) 3 years	First-cycle studies in the field of Interior Design last 6 semesters and end with obtaining a Bachelor of Arts degree. The study program prepares both for independent work of an interior architect and designer, as well as for work in large design teams. The curriculum is based on innovative teaching methods (including e-learning), and the content of education is based on modern achievements in the disciplines of architecture and urban planning, design arts and fine arts. Most of the classes conducted at the Faculty are practical (classes, laboratories, projects).	The study program provides education in the area of competences and skills that have a direct impact on the quality of the designed space.
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Table 1. General Design Offer In Polish HEIs Public Sector - examples

2. General Design Offer In Polish HEIs Private Sector

Design offer In Polish HEIs Private Sector is limited to very narrow and specific fields of design. All private HEIs charge students with fees so the study programs are really good and focused on practical aspects and market/student expectations. In example, we have University of Arts and Crafts and Management in Wrocław - private HEIs focus on educating artists and craftsmen in the jewelery industry, knowledge of precious stones and conservation of works of art. One of most known Artistic private Heis Is University of arts and design in Łódź; they are focusing on photography, filming, acting and Industrial design. Also some technical private HEIs offer artistic programs, ie. University of Technology In Katowice which focuses on Architecture, Interior Design, Construction, Graphic, Mechatronic and Design.

If Private HEIS is offering design studies they are very similar to public universities as they all have to be In line with Ministry requirements.

3. Technical Skills

NAME	Name and type of study program	List of Technical Skills to be acquired
THE ACADEMY OF FINE ARTS IN KATOWICE	Design Full-time: 3.5 years (first-cycle studies) Full-time: 2 years (second-cycle studies)	product design, visual information systems design, visual identity, and statistical data visualization, technical drawing, ergonomics and industrial technology basics
THE ACADEMY OF FINE ARTS IN KATOWICE	Graphic Art Full-time: 5 years (long-cycle studies)	classical graphic techniques – relief printing, intaglio, lithography and screen printing, as well as contemporary digital technology (digital graphics and intermedia) and a



		number of areas that combine these techniques (such as book graphics and interdisciplinary studios).
THE ACADEMY OF FINE ARTS IN KATOWICE	Painting Full-time: 5 years (long-cycle studies)	painting, drawing, composition, drawing and painting technology, design basics, computer aided design and electronic media, sculpture, and photography.
THE ACADEMY OF FINE ARTS IN GDAŃSK	Design Full-time: 3.5 years (first-cycle studies) Full-time: 2 years (second-cycle studies)	Basics of Design Presentation Techniques Basics of Modeling and Composition Drawing Photography and Image Edition Descriptive Geometry and Perspective Basics of Computer Designing Support Basics of Design Presentation Techniques Sculptural Forms Prototyping Technical documentation Design Basics of Vessel Architecture Basics of Visual Communications Basics of Typography Social Design Visual communication Multidimensional design Experimental Design Serial Furniture Design Product Design Anthropological Laboratory Anthropology of Place and Objects Industrial Product Design Visual communication Multidimensional design Design of Naval Architecture Speculative Design
THE ACADEMY OF FINE ARTS IN GDAŃSK	INTERIOR DESIGN Full-time: 3.5 years (first-cycle studies) Full-time: 2 years (second-cycle studies)	Basics of Architecture Design Composition and Modeling Presentation Techniques Sculptural Forms Drawing Painting Photography and Image Edition Descriptive Geometry and Perspective Computer Support Course Basics of Ergonomics Presentation Techniques Project Techniques (material, form, light, colour, 3D support, elements of Autocad) Prototyping A Technical Documentation Basics of Public Interior Design Basics of Private Interior Design Elements of Stage Design in Interior Architecture Basics of Furniture Design Interior Design Furniture Design Architecture of Performance and Stage Design



		City Interior Design Detail in Interior Design
Lodz University of Technology	Faculty of Material Technologies and Textile Design Design First-cycle Full-time (degree programme) 1,5 years Second-cycle Full-time (degree programme) 3,5 years	Students of this field of study acquire and deepen their basic knowledge in the field of structure and properties of textile products and in the field of methods of imparting special properties to textiles. They learn to notice significant problems related to designing objects of design and to define and describe them in a comprehensive manner.
Lodz University of Technology	Faculty of Material Technologies and Textile Design Textile Engineering Second-cycle Full-time (degree programme) 1,5 years	Graduates with the second-cycle degree, apart from core and field-specific courses content: textile machines mechanics, microchip systems, design, modelling and preservation of textiles and special fibers, have also mastered advanced knowledge, depending on the chosen specialization, of textile design and engineering, clothing science and technology, innovative technologies for textile design and quality engineering and humanoecology of textile. Graduates specializing in textile engineering have knowledge and skills as regards the design of linear and flat textile products with predetermined properties and design effects and as regards using computer technology in textile design. They can select raw materials, design technological processes and prepare technical and technological documentation of the product. They are qualified to work at small, medium and large enterprises manufacturing textiles, and at research and development centers. Graduates specializing in innovative technologies for textile engineering have knowledge and skills as regards the most advanced technologies such as: nanotechnology for textile engineering, multifunctional textiles technology and developing polymer and fiber properties. They are prepared to undertake innovative activity in the field of textile engineering and computer-aided engineering tasks. They can manage creative and design teams; they can conduct research in the field of textile engineering. Graduates specializing in clothing science and technology have knowledge and skills as regards design and construction of apparel, including special-purpose clothing; organization of clothing and technical product manufacture. They are prepared to work at clothing companies, design offices and research and science centers. They are also able to run their own clothing business.
Cracow University of Technology	Faculty of mechanical engineering Industrial Design Engineering	The study program allows you to acquire competences in the following areas: design adapted to market needs. An important element of teaching is the transfer of the ability to analyze the use of a product with particular emphasis



	<p>First-cycle Full-time (degree programme)</p>	<p>on ergonomic, design, technological and aesthetic features.</p> <p>Similar assumptions (analysis of market needs, comprehensive design, including ergonomics, technology and aesthetics) guide the education in the specialization of Designing means of transport. Qualified staff provide students with knowledge in the field of construction, design, technology, certification and operation of rail vehicles.</p>
Koszalin University of Technology	<p>Institute of Industrial Design</p> <p>First-cycle Full-time (degree programme) 3,5 years</p> <p>Second-cycle Full-time (degree programme) 2 years</p>	<p>The designer's field of activity is everything that surrounds us, from everyday objects, clothes, jewelry, through furniture, means of transport, tools and work environment, to concepts of various objects using the latest technologies and materials.</p>
Opole University of Technology	<p>Faculty of Mechanical Engineering</p> <p>Industrial Design</p> <p>Motorisation design engineering</p> <p>First-cycle Full-time (degree programme) 3,5 years</p>	<p>The graduates of the motorisation design engineering Major obtain knowledge and skills in the area of designing, development and vehicles construction, creating and stylising bodyworks, ergonomics and car interiors as well as arrangement and construction of individual subcomponents in a vehicle with the use of contemporary methods and packets supporting 3D design. The obtained knowledge and skills will enable to be employed in units dealing with design, construction and stylising products in different industry branches especially in motorisation industry.</p>

Table 2. List of Technical Skills

4. Digital Skills

NAME	Name and type of study program	List of Digital Skills to be acquired
THE ACADEMY OF FINE ARTS IN KATOWICE	<p>Graphic Design</p> <p>Full-time: 3.5 years (first-cycle studies) Full-time: 2 years (second-cycle studies) Part-time: 3.5 years (first-cycle studies) Part-time: 2 years (second-cycle studies)</p>	<p>visual communication, animation, multimedia, editorial design, illustration, poster design, photography</p>



<p>THE ACADEMY OF FINE ARTS IN GDAŃSK</p>	<p>Intermedia; specialization: Animation - 1st cycle studies - Second cycle studies</p>	<p>Introduction to artistic and research projects Visual Narration Sensual Perception DTP Workshop Basics of Audio Basics of Digital Photography Basics of Digital Technologies Basics of Animation Animation Workshop The Language of Movie History of Movie and Animated Movie Dynamic Drawing Painting Graphic Design Movie Image Production Digital Photography Issues of Drawing Studio of Transdisciplinary Activities Studio of Audio and Video Video Image Production Creative Photography Digital Technologies Space Occupation Multimedia Graphics Critical Artistic Practice in the Social Space Generative image manipulation</p>
<p>Lublin University of Technology</p>	<p>Faculty of Electrical Engineering and Computer Science</p> <p>Multimedia Engineering</p> <p>First-cycle Full-time (degree programme) 3,5 years</p>	<p>The graduate has knowledge of how to create software, process graphic files and multimedia forms, and you will learn about computer graphics and the principles of creating animations. The graduate has knowledge and engineering skills in the field of designing and using electrical, lighting and audiovisual devices and installations. The graduate knows how to create multimedia applications and presentations, as well as how to make various forms of audio-visual recordings using the equipment and tools available in TV and radio studios.</p>
<p>Koszalin University of Technology</p>	<p>Institute of Industrial Design</p> <p>First-cycle Full-time (degree programme) 3,5 years</p> <p>Second-cycle Full-time (degree programme) 2 years</p>	<p>Designing visual communication, including: corporate and brand identification systems, visual information, websites, publishing graphics, posters, signs, packaging and many other forms of visual message available in the modern world.</p>
<p>Kielce University of Technology</p>	<p>Faculty of Mechatronics and Mechanical Engineering</p> <p>First-cycle Full-time (degree programme) 3,5 years</p>	<p>Graduates of the faculty are able to use computer hardware and programs in the field of design, prototyping, visual communication, production technology, presentation, processing and graphic creation, as well as organization and management.</p>



Table 3. List of Digital Skills

5. Green Skills

NAME	Name and type of study program	List of Green Skills to be acquired
THE ACADEMY OF FINE ARTS IN KATOWICE	<p>Inclusive Design: Health and Social Well-Being</p> <p>Level: Master's Duration: 2 years, full time</p>	<p>Inclusive design</p> <ul style="list-style-type: none"> – Methods applied to include users in the design process, customer needs research, co-creation. <p>Social design:</p> <ul style="list-style-type: none"> - how to engage potential users in the creative process. Designing which involves responsibility. New services, products, and systems of visual identification that transform the surroundings. Initiating new behaviours and trigger innovations.

Table 4. List of Green Skills

6. Soft Skills

NAME	Name and type of study program	List of Soft Skills to be acquired
THE ACADEMY OF FINE ARTS IN KATOWICE	<p>Design</p> <p>Full-time: 3.5 years (first-cycle studies) Full-time: 2 years (second-cycle studies)</p>	context of social and cultural needs, utility issues and related aesthetic and technical problems. The curriculum also includes an analysis of issues of perception and human behaviour, directing the learning process at mastering the skills of analysis, critical evaluation, inference, with particular emphasis on functionality and socio-cultural context.
THE ACADEMY OF FINE ARTS IN KATOWICE	<p>Inclusive Design: Health and Social Well-Being</p> <p>Level: Master's Duration: 2 years, full time</p>	<p>Perception and behavior studies</p> <ul style="list-style-type: none"> – Methods of examining users' perception and behavior based on methods applied in ethnography, sociology, and psychology, <p>Advanced management design</p> <ul style="list-style-type: none"> – Innovation management, new product development, strategy building, structure and design implementation – building an effective environment for the implementation of mission and strategy through sustainable design
THE ACADEMY OF FINE ARTS IN GDAŃSK	<p>Design</p> <p>Full-time: 3.5 years (first-cycle studies) Full-time: 2 years (second-cycle studies)</p>	Social Design Visual communication
	<p>INTERIOR DESIGN</p> <p>Full-time: 3.5 years (first-cycle studies)</p>	Basics of Architecture Design Composition and Modeling Presentation Techniques Sculptural Forms Drawing



THE ACADEMY OF FINE ARTS IN GDAŃSK	Full-time: 2 years (second-cycle studies)	Painting Photography and Image Edition Descriptive Geometry and Perspective Computer Support Course Basics of Ergonomics Presentation Techniques Project Techniques (material, form, light, colour, 3D support, elements of Autocad) Prototyping A Technical Documentation Basics of Public Interior Design Basics of Private Interior Design Elements of Stage Design in Interior Architecture Basics of Furniture Design Interior Design Furniture Design Architecture of Performance and Stage Design City Interior Design Detail in Interior Design Social Psychology
Czestochowa University of Technology	Faculty of Management Design and project management First-cycle Full-time (degree programme) 3,5 years	A graduate of Design and Project Management, he is able to create and manage project teams in a non-standard way, act proactively and creatively, shape new innovative products and services - he is a manager who creates a business space in a world of constant changes. At the same time, knowledge in the field of project management is combined with the development of knowledge and competences in the field of design, i.e. the ability to create new products and services, including those based on visual arts, multimedia and ergonomics.
Cracow University of Technology	Faculty of mechanical engineering Industrial Design Engineering First-cycle Full-time (degree programme)	The study program allows you to acquire competences in the following areas: ability to work in a project team, managing the process of introducing and developing a new product.

Table 5. List of Soft Skills

7. Summary

Public Artistic HEIs in Poland offer studies free of charge in a limited set of BA, MA programmes with main focus on technical skills. Some of them have in their offer programmes partially fully based on digital skills represented by usage of different types of multimedia. Soft skills are represented in all types of programmes but limited to basic lecturers and workshops ie. In visual communication and business relations with potential clients. Green skills are almost no represented in public free of charge offers. Public Artistic HEIS offer some MA programmes



(2-years), but students have to pay for participation. Paid offer is more wide and include green and soft competence ie. In a field of social innovation, inclusion, ecology etc.

Public Technical HEIs in Poland offer studies free of charge in a limited set of BA, MA programmes with main focus on Industrial design, textiles, motorization design and engineering. The focus of these study programmes is also on technical and digital skills with a very limited info about soft skills, like ie. Project management and teambuilding.

Design offer In **Polish HEIs Private Sector** is limited to very narrow and specific fields of design. All private HEIs charge students with fees so the study programs are really good and focused on practical aspects and market/student expectations. In example, we have University of Arts and Crafts and Management in Wrocław - private HEIs focus on educating artists and craftsmen in the jewelery industry, knowledge of precious stones and conservation of works of art. One of most known Artistic private Heis Is University of arts and design in Łódź; they are focusing on photography, filming, acting and Industrial design. Also some technical private HEIs offer artistic programs, ie. University of Technology In Katowice which focuses on Architecture, Interior Design, Construction, Graphic, Mechatronic and Design. If Private HEIS Is offering design studies they are very similar to public universities as they all have to be In line with Ministry requirements.

Summarizing, the most lacking skills in Polish (public and private) HEIs design offer are **green skills**. In public, free of charges, programmes green skills are almost no existing. Green skills are a part of extra, paid programmes only. They are focusing of very narrow and specific problems. In other hand, green skills are sometimes a part of social and inclusive skills programmes (also extra paid).

Tables and figures

Tables

Table 1. General Design Offer In Polish HEIs Public Sector - examples	13
Table 2. List of Technical Skills	16
Table 3. List of Digital Skills	18
Table 4. List of Green Skills	18
Table 5. List of Soft Skills	19

Figures

Figure 1. Map of General Design Offer In Polish Artistic HEIs Public Sector	4
Figure 2. Map of General Design Offer In Polish Technical HEIs Public Sector	5



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