



**University
of
Kurdistan**

Annual Report 2017

<https://www.uok.ac.ir>



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CHANCELLOR MESSAGE



University of Kurdistan is a comprehensive and research-based university promoting entrepreneurship, knowledge development, and education excellence. Located in Western Iran, it is one of the most highly regarded universities of the country which aspires to educate committed and highly competent graduates by developing its collaboration at national, and international levels. As the largest and most influential university in Kurdistan Province, the four main missions of the University of Kurdistan are: (1) training well-educated and effective professionals; (2) carrying out research, including basic, applied, and developmental; (3) entrepreneurship; and (4) social responsibility and social impact.

The most important educational programs in this university are increasing graduate and postgraduate opportunities in prioritized scientific areas, enhancing education quality, developing graduates' professional and employability skills, and expanding applied and interdisciplinary fields of study with an emphasis on strategic planning in higher education and virtual training. Considering that the University of Kurdistan is an international university, we place special emphasis on science diplomacy in the international arena. In terms of research and technology, the University of Kurdistan, while improving the quality of research and technology, is giving considerable attention to the research standing of the university and its share of scientific research production at national, regional, and international levels and strives to develop academic entrepreneurship and knowledge commercialization.

Investigating the current and future global trends and identifying the strengths and weaknesses of our own community, we strive to maximize our relationship with society and accomplish our social responsibility with the help of our faculty colleagues. In addition, we try to lead the regional policies, including economic, social, cultural, and even political, to gain a better position in all different areas; therefore, we always try to enhance collaboration with industry, society and the government at national and regional levels.





About Us

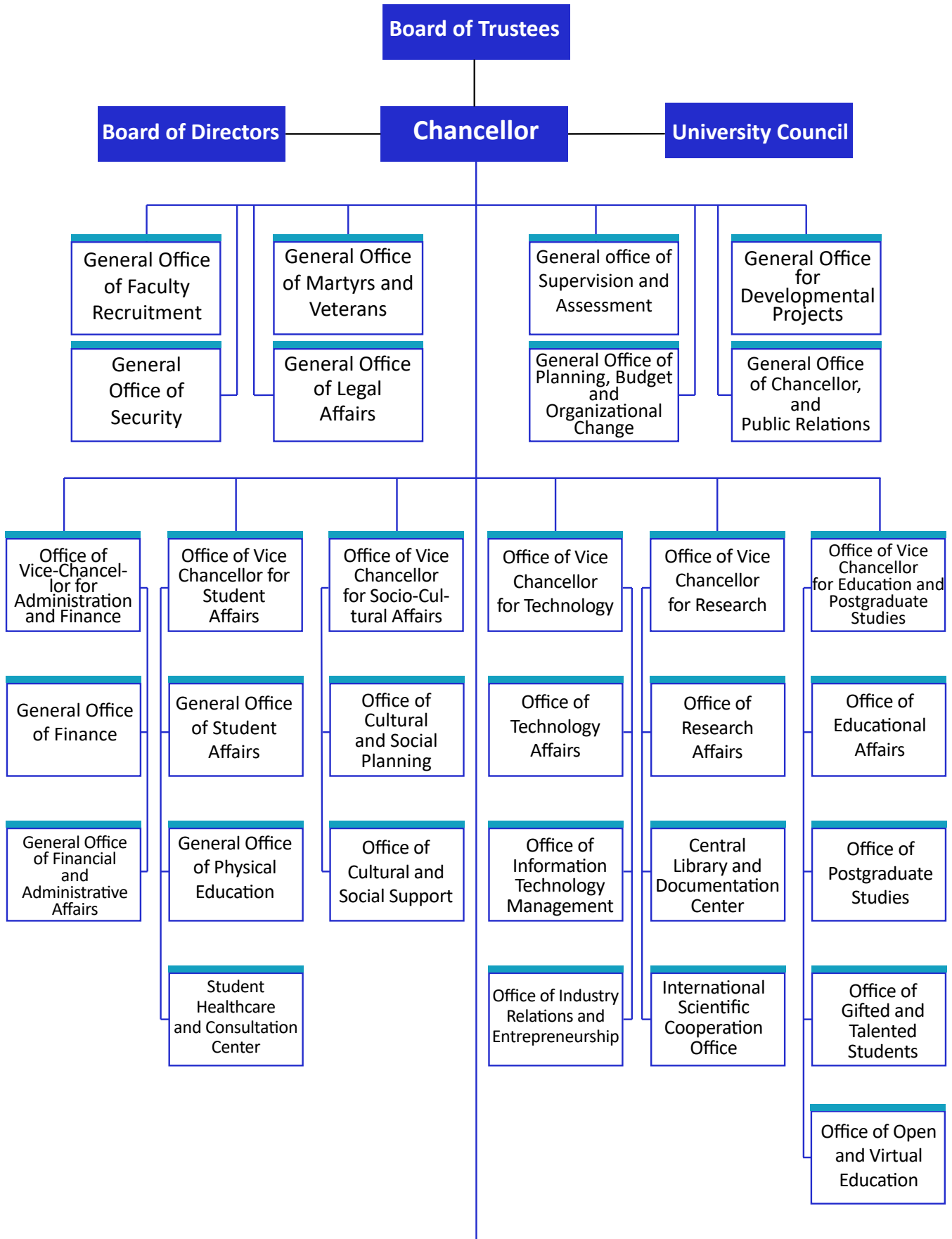
A Brief History of University of Kurdistan

The University of Kurdistan commenced its activities as the Higher College of Sanandaj, an affiliate of Tarbiat Moallem University of Tehran, in the academic year 1974-1975. Its first intake of students was in the field of Mathematics Teacher Training. In the following academic year, the college became an off-campus faculty of Kermanshah's Razi University and was thereafter named the Teacher Training Faculty of Sanandaj. In addition to admitting students in Mathematics Teacher Training, it began to accept students in Chemistry and English. By expanding its pedagogical activities and conducting research in a wide variety of fields, this teacher training unit was granted university status by the Ministry of Higher Education and Culture in 1991. Henceforth it became known as the University of Kurdistan. Since then a wide range of courses at various levels have been added to the university's graduate and postgraduate program lists. Currently, University of Kurdistan has 9441 students, studying 232 different degree programs in 8 different faculties.



General Information

| | |
|--|------|
| Number of Faculties | 8 |
| Number of Faculties under Construction | 2 |
| Number of Affiliated High Schools | 2 |
| Number of Undergraduate Programs | 69 |
| Number of Master Programs | 121 |
| Number of Ph.D. Programs | 42 |
| Number of Students | 9441 |
| Number of Full-time Faculty Members | 327 |



Centers of Excellence, Faculties, Educational and Research Centers of the University of Kurdistan

Faculties at University of Kurdistan

The University of Kurdistan has eight faculties:

- Faculty of Science
- Faculty of Humanities and Social Sciences
- Faculty of Language and Literature
- Faculty of Agriculture
- Faculty of Engineering
- Faculty of Natural Resources
- Faculty of Art and Architecture
- Bijar Faculty of Science and Engineering





Faculty of Science

The Faculty of Science, as the first faculty of the University Kurdistan, was founded in 1991. However, this faculty had commenced its activities as an affiliate of Tarbiat Moallem University of Tehran much earlier in 1974. This faculty currently is regarded as the largest faculty with regard to the number and variety of degree programs, and is offering different degree levels in the departments of physics, mathematics, chemistry, biology, and statistics.





Faculty of Humanities and Social Sciences

Although the Faculty of Literature and Humanities was established as the second faculty of the University of Kurdistan in 1991, this faculty started its educational activities much earlier in 1976 with the admission of students in English language studies. The Faculty of Literature and Humanities was officially divided into two separate faculties in 2012: the Faculty of Humanities and Social Sciences and the Faculty of Literature and Foreign Languages. The Faculty of Humanities and Social Sciences currently has 11 departments that are involved in teaching and research activities.



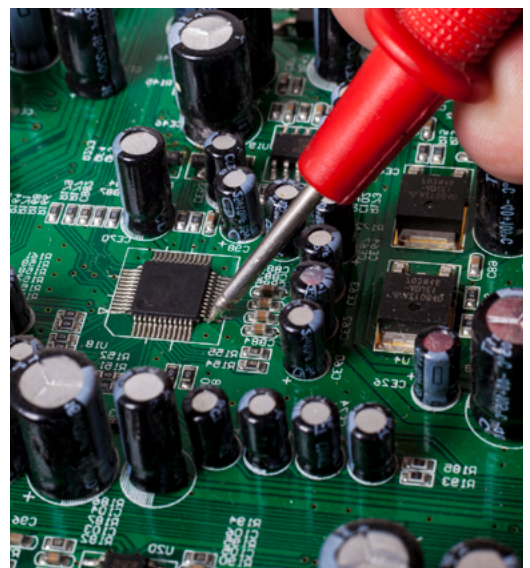
Faculty of Language and Literature

The Faculty of Language and Literature officially began its teaching and research activities in October 2012 and prior to that it was part of the Faculty of Literature and Humanities. It is worth mentioning that the disbanded Faculty of Literature and Humanities was established in 1991 as the second faculty of the University of Kurdistan, but began its teaching activities much earlier in 1976 by accepting students majoring in English language teacher training and later establishing 14 departments. The Faculty of Language and Literature currently has 4 departments offering 5 undergraduate programs, 5 Master's programs and 1 Ph.D. program to over 760 students.

Faculty of Agriculture

The Faculty of Agriculture was founded jointly with the Faculty of Natural Resources in 1991. In 2007, the Faculty of Agriculture separated from the Faculty of Natural Resources and commenced its academic teaching and research activities on an independent basis. It is currently one of the major providers of research in agricultural fields in the region. Both training and research are undertaken at the highest professional level and a wide range of agriculture based scientific courses are offered to graduate and postgraduate students.





Faculty of Engineering

The Faculty of Engineering is one of the largest and most successful of its kind in Iran. This Faculty commenced its activity as a technical and engineering college in 1994. From its foundation, the faculty has pursued excellence and innovation in education and research. The faculty continues to forge new links with industry and community partners to ensure a continuing real-world focus for both teaching and research. The Faculty of Engineering at present has 7 departments offering 9 undergraduate degree programs and 21 postgraduate degree programs (including 3 PhD programs).



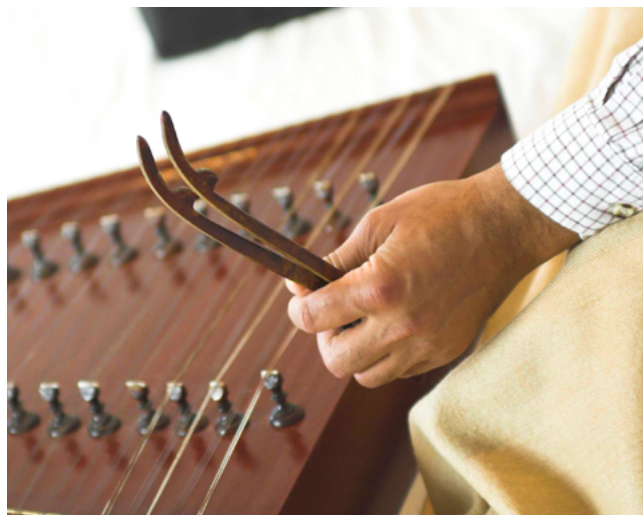
Faculty of Natural Resources

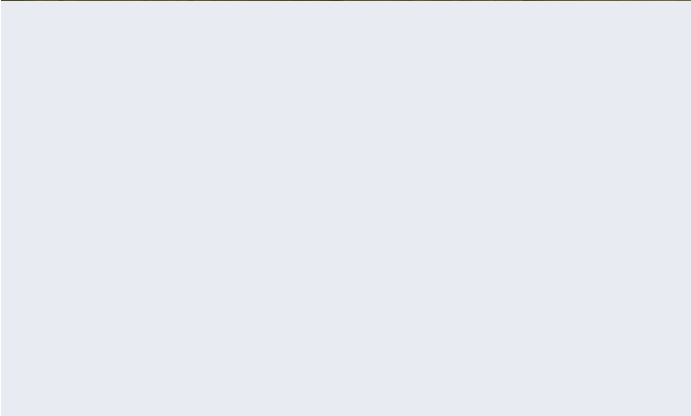
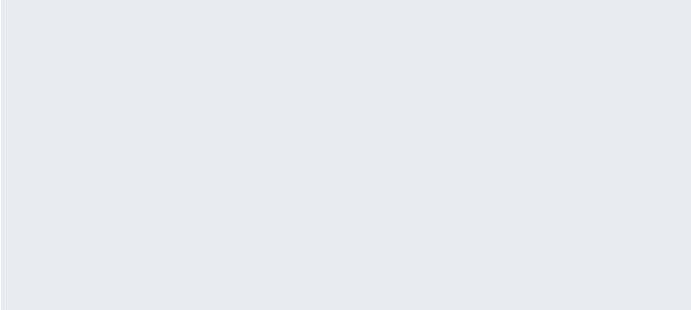
The Faculty of Natural Resources was founded jointly with the Faculty of Agriculture in 1991. In 2007, the Faculty of Natural Resources disbanded from the Faculty of Agriculture and commenced its academic teaching and research activities on an independent basis. Currently, the Faculty of Natural Resources has 6 departments that offer 6 undergraduate programs and 13 Master programs.



Faculty of Art and Architecture

Because of the importance of Art, architecture and planning at national and international levels and the rich history of the arts in western Iran, especially in Kurdistan, the University of Kurdistan launched programs in the aforementioned fields in the early years of its establishment as a university. The University of Kurdistan commenced offering degree programs in Architecture, Urban Planning and Music in 1999, 2006 and 2016, respectively. The faculty currently has three departments: Urban Planning, Architecture, and Music (Iranian). The first two departments were initially part of the Faculty of Engineering but in 2012 became part of the newly established Faculty of Art and Architecture.





Bijar Faculty of Science and Engineering

The Bijar Faculty of Science and Engineering was established in September 2014 and commenced its pedagogical activities in the fields of Computer Science, Physics and Statistics. As its name indicates, this faculty is located in Bijar, a city in Kurdistan Province.



Faculty of Science List of Degree Programs

| | BSc | MSc | PhD |
|----|------------------------------|---|--|
| 1 | Statistics | Mathematical Statistics | Applied Mathematics |
| 2 | Mathematics and Applications | Applied Mathematics— Numerical Analysis | Applied Mathematics— Numerical Analysis |
| 3 | Applied Chemistry | Pure Mathematics- Topology | Pure Mathematics – Mathematical Analysis |
| 4 | Pure Chemistry | Pure Mathematics – Mathematical Analysis | Pure Mathematics – Algebra |
| 5 | Physics | Pure Mathematics – Algebra | Nano Chemistry |
| 6 | Earth Sciences | Nano Chemistry | Organic Chemistry |
| 7 | Cellular & Molecular Biology | Organic Chemistry | Analytical Chemistry |
| 8 | Biotechnology | Polymer Chemistry | Inorganic Chemistry |
| 9 | Computer Science | Analytical Chemistry | Physical Chemistry |
| 10 | - | Inorganic Chemistry | Solid State Physics |
| 11 | - | Physical Chemistry | Theoretical Physics |
| 12 | - | Solid State Physics | Theoretical Physics- Gravity & Cosmology |
| 13 | - | Theoretical Physics | Theoretical Physics – Astronomy and Astrophysics |
| 14 | - | Photonics | Theoretical Physics - Quantum Optics |
| 15 | - | Geochemistry | Photonics |
| 16 | - | Cellular & molecular Biology - Biochemistry | - |
| 17 | - | Cellular & Molecular Biology | - |



Faculty of Language and Literature List of Degree Programs

| | BA | MA | PhD |
|---|-------------------------------|-------------------------------|-------------------------------|
| 1 | Persian Language & Literature | Persian Language & Literature | Persian Language & Literature |
| 2 | Arabic Language & Literature | Arabic Language & Literature | - |
| 3 | English Language & Literature | English Language & Literature | - |
| 4 | Kurdish Language & Literature | English Language Teaching | - |
| 5 | English Language Teaching | Linguistics | - |

Faculty of Engineering List of Degree Programs

| | BSc | MSc | PhD |
|----|---|--|---------------------------|
| 1 | Electrical Engineering | Power Systems Engineering | Power Systems Engineering |
| 2 | Electronic Engineering | Communication Systems | Industrial Engineering |
| 3 | Power Systems Engineering | Micro and Nano-Electronic devices | Structural Engineering |
| 4 | Chemical Engineering | Electronic Integrated Circuits | - |
| 5 | Chemical Engineering-Petrochemical Industry | Power Electronics and Electrical Machines | - |
| 6 | Industrial Engineering | Electrical Control Engineering | - |
| 7 | Civil Engineering | Chemical Engineering | - |
| 8 | Computer Software Engineering | Chemical Engineering – Design Process | - |
| 9 | Mechanical Engineering | Chemical Engineering- Thermo kinetics and Catalysis | - |
| 10 | Mine Engineering | System Optimization | - |
| 11 | Mineral Exploration | Logistics & Supply Chain | - |
| 12 | - | Structural Engineering | - |
| 13 | - | Earthquake Engineering | - |
| 14 | - | Hydraulic Engineering and Water Resources Management | - |
| 15 | - | Remote Sensing | - |
| 16 | - | Artificial Intelligence and Robotics | - |
| 17 | - | Energy Conversion | - |
| 18 | - | Mechanical Engineering - Applied Design | - |
| 19 | - | Mineral Exploration | - |



Faculty of Agriculture List of Degree Programs

| | BSc | MSc | PhD |
|----|--|---|---|
| 1 | Agricultural Economics | Agricultural Policy & Development | Animal Breeding |
| 2 | Agricultural Engineering-Plant Breeding | Agronomy and Plant Breeding | Genetics and Animal Breeding |
| 3 | Agricultural Engineering - Horticultural Sciences | Agrotechnology-Weed sciences | Animal Nutrition |
| 4 | Plant Protection | Agrotechnology-Seed science and technology | Livestock and Poultry Nutrition |
| 5 | Agricultural engineering -Agricultural Biotechnology | Agrotechnology - Crop Physiology | Livestock and Poultry Genetics and Breeding |
| 6 | Mechanics and Biosystems Engineering | Plant Pathology | Livestock and Poultry Physiology |
| 7 | Food Science and Engineering | Agricultural Biotechnology | Animal Sciences- Poultry Nutrition |
| 8 | Food Industry Machinery Engineering | Sustainable Agricultural Extension and Natural Industries | Animal Physiology |
| 9 | Horticultural Science and Engineering | Sustainable Agricultural Extension and Education, Invention and Agricultural Entrepreneurship | Agroecology |
| 10 | Animal Science | Agricultural Entomology | Agrotechnology -Crop Ecology |
| 11 | Water Sciences & Engineering | Agroecology | Agrotechnology - Crop Physiology |
| 12 | Soil Science and Engineering | Plant Genetic and Breeding | Agronomy - Crop Physiology |
| 13 | Landscape Engineering | Horticultural Science - Physiology and Ornamental Flowering | Agricultural Biotechnology |
| 14 | Production and Plant Genetic Engineering | Horticultural Genetics and Biotechnology | Plant Pathology |
| 15 | Veterinary Laboratory Sciences | Animal Nutrition | Prokaryote Plant Pathogens |
| 16 | - | Animal Breeding | Mycology and Plant Pathology |
| 17 | - | Animal Physiology | Biological Control of Plant Diseases |
| 18 | - | Livestock and Poultry Genetics and Breeding | - |
| 19 | - | Livestock and Poultry Physiology | - |
| 20 | - | Animal Sciences- Poultry Nutrition | - |
| 21 | - | Irrigation and Drainage Engineering | - |
| 22 | - | Greenhouse Crops Production | - |
| 23 | - | Horticultural Science & Engineering: Vegetables | - |
| 24 | - | Horticultural Science & Engineering: Ornamental Plants | - |
| 25 | - | Horticultural Science & Engineering: Fruit Trees | - |
| 26 | - | Horticultural Science & Engineering: Medicinal Plants | - |
| 27 | - | Postharvest Technology | - |

Faculty of Agriculture List of Degree Programs

| | BSc | MSc | PhD |
|----|-----|--|-----|
| 28 | - | Ecological Agriculture | - |
| 29 | - | Soil Biology and Biotechnology | - |
| 30 | - | Soil Resources & Land Evaluation | - |
| 31 | - | Soil Physics & Conservation | - |
| 32 | - | Agricultural Engineering - Agronomy | - |
| 33 | - | Biosystems Mechanical Engineering- Renewable Energy | - |
| 34 | - | Mechanics and Biosystems Engineering- Design and Construction | - |
| 35 | - | Biomechanical Engineering- Post harvest Technology | - |





Faculty of Natural Resources List of Degree Programs

| | BSc | MSc | PhD |
|----|-------------------------------------|---|------------|
| 1 | Climatology | Environmental meteorology | - |
| 2 | Geography | Applied Climatology | - |
| 3 | Geomorphology Engineering | Geomorphology – Environmental Management | - |
| 4 | Forestry | Hydro-Geomorphology | - |
| 5 | Fisheries Engineering | Forest Management | - |
| 6 | Environmental Engineering | Forest Biology and Silviculture | - |
| 7 | Nature Engineering | Forest engineering and Forest Logging | - |
| 8 | Rangeland and Watershed Engineering | Forest Ecology | - |
| 9 | - | Forestry | - |
| 10 | - | Fish Biology and Aquatic Animals Ecology | - |
| 11 | - | Breeding and Reproduction of Aquatic Species | - |
| 12 | - | Land Use Planning and Environmental Assessment | - |
| 13 | - | Environmental Pollution (Air, Soil and Water) | - |
| 14 | - | Biodiversity and Conservation Biology | - |
| 15 | - | Land-use Planning & Sustainable Development | - |
| 16 | - | Environmental Engineering - Habitats and Biodiversity | - |
| 17 | - | Environmental Hazards | - |
| 18 | - | Watershed Engineering - Water and Soil Conservation | - |
| 19 | - | Watershed Engineering- River and Flood | - |
| 20 | - | Rangeland Improvement and Restoration | - |
| 21 | - | Rangeland Management | - |
| 22 | - | Watershed Engineering | - |
| 23 | - | Rangeland Engineering | - |

Faculty of Humanities and Social Sciences List of Degree Programs

| | BSc | MSc | PhD |
|----|---|------------------------------------|--|
| 1 | Economy | Economic Sciences | Educational Administration |
| 2 | Economic Sciences – Theoretical Economics | Economic Sciences - Energy Economy | Higher Education Development Planning |
| 3 | Education Sciences | Economic Development and Planning | Sports Physiology |
| 4 | Educational Administration and Planning | Educational Administration | Sports Physiology - Sports Biochemistry and Metabolism |
| 5 | Accounting | Curriculum Planning | Sports Management |
| 6 | Law | Accounting | Sports Marketing Management |
| 7 | Psychology | Criminal Law and Criminology | - |
| 8 | Sports Science | Clinical Psychology | - |
| 9 | Sports Life Sciences | Cognitive Psychology | - |
| 10 | Business Administration | Sports Physiology | - |
| 11 | Tourism Management | Sports Marketing Management | - |
| 12 | Tourism | Marketing Management | - |
| 13 | Shafe'ee Jurisprudence and Law | Entrepreneurship Management | - |
| 14 | Sociology | MBA | - |
| 15 | Social Sciences Research | Shafe'ee Jurisprudence & Law | - |
| 16 | - | Family Counselling | - |
| 17 | - | School Counselling | - |
| 18 | - | Sociology | - |





Faculty of Art and Architecture List of Degree Programs

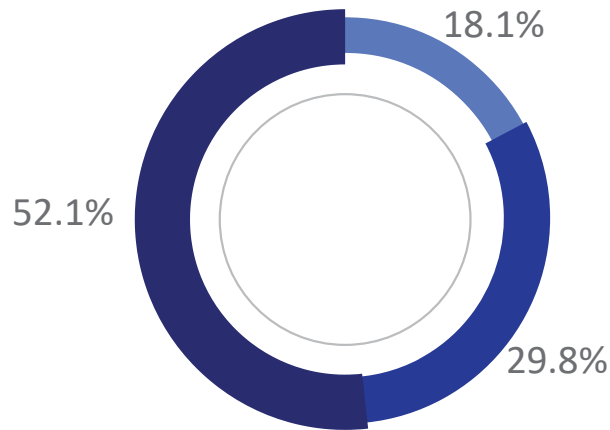
| | BA/BSc | MA/MSc | PhD |
|---|------------------------------|----------------|-----|
| 1 | Architecture | Architecture | - |
| 2 | Urbanism | Urban Planning | - |
| 3 | Performance of Iranian Music | Urban Design | - |



Bijar Faculty of Science and Engineering List of Degree Programs

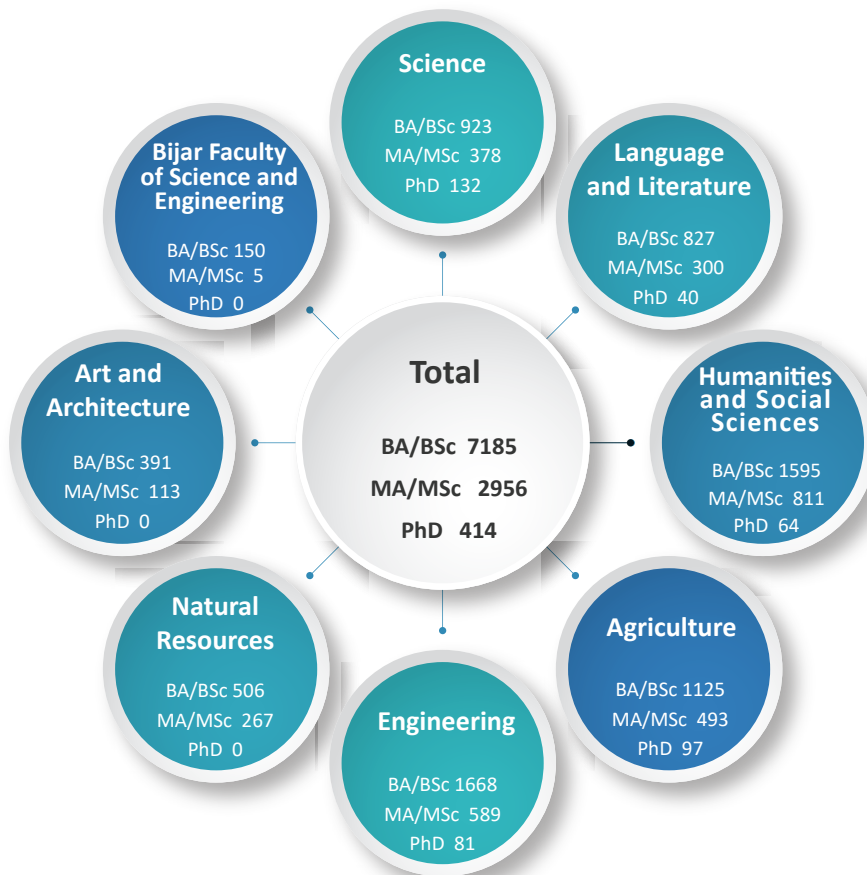
| | BSc | MSc | PhD |
|---|-----------------------------|-----------------------|-----|
| 1 | Statistics and Applications | Physics – Solid State | - |
| 2 | Computer Science | - | - |
| 3 | Civil Engineering | - | - |

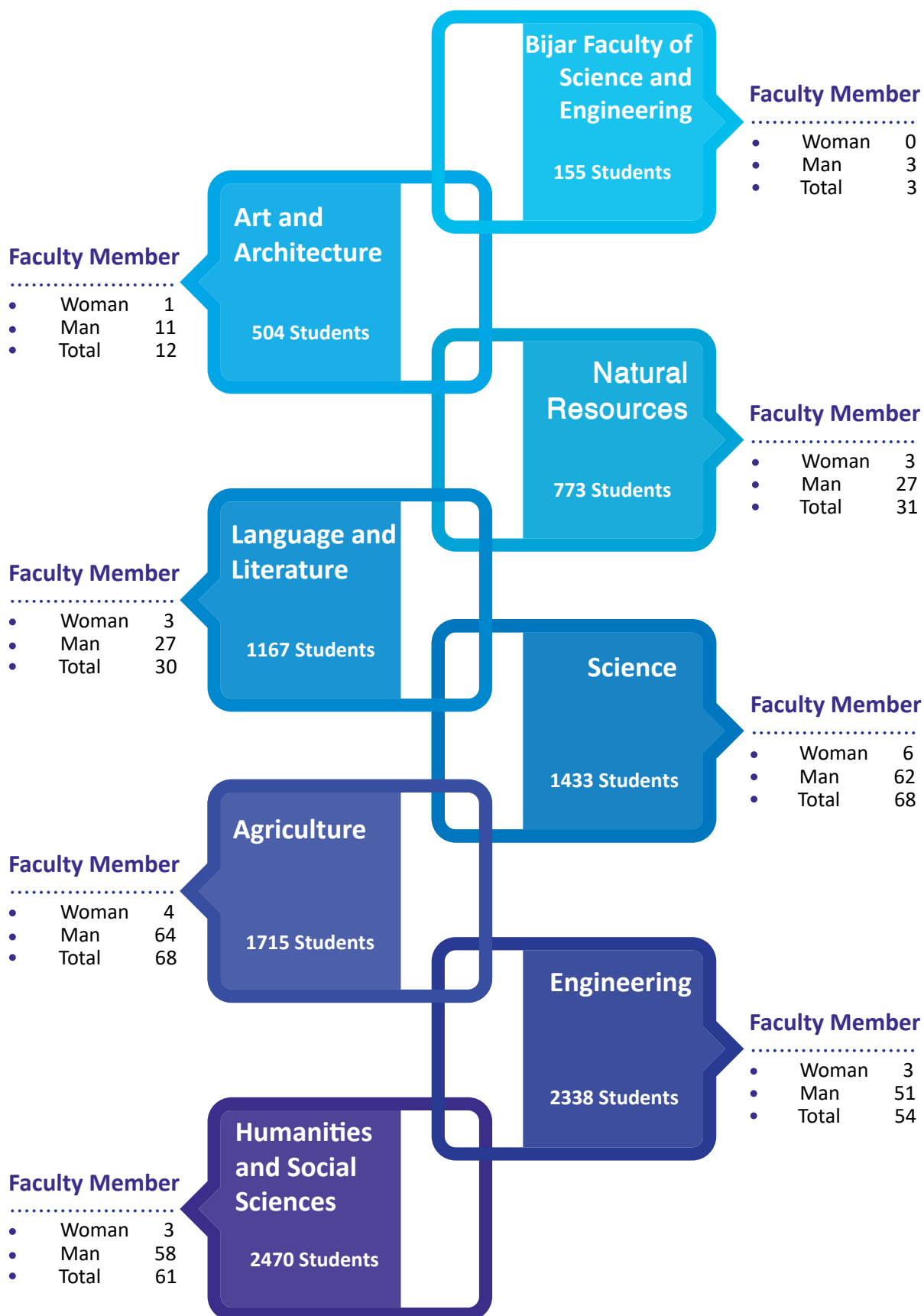
Number of Degree Programs



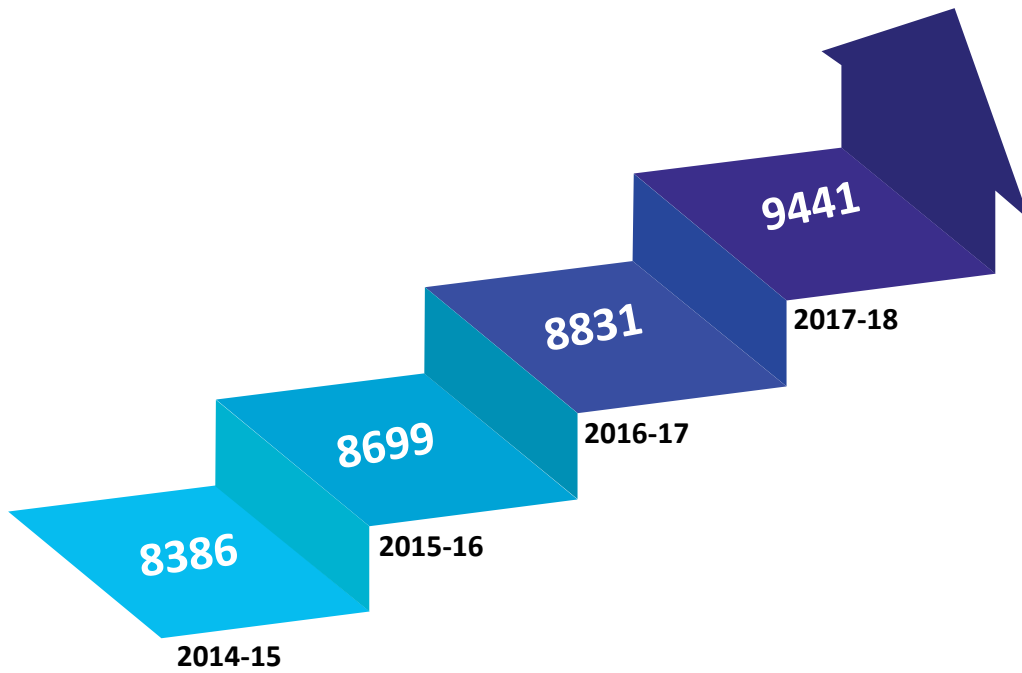
| | | |
|--------------|----------|------------|
| PhD | ■ Degree | 42 |
| MA/MSc | ■ Degree | 121 |
| BA/BSc | ■ Degree | 69 |
| Total | | 232 |

University of Kurdistan Student Statistics by Faculty and Degree Program the Academic Year 2018-2019

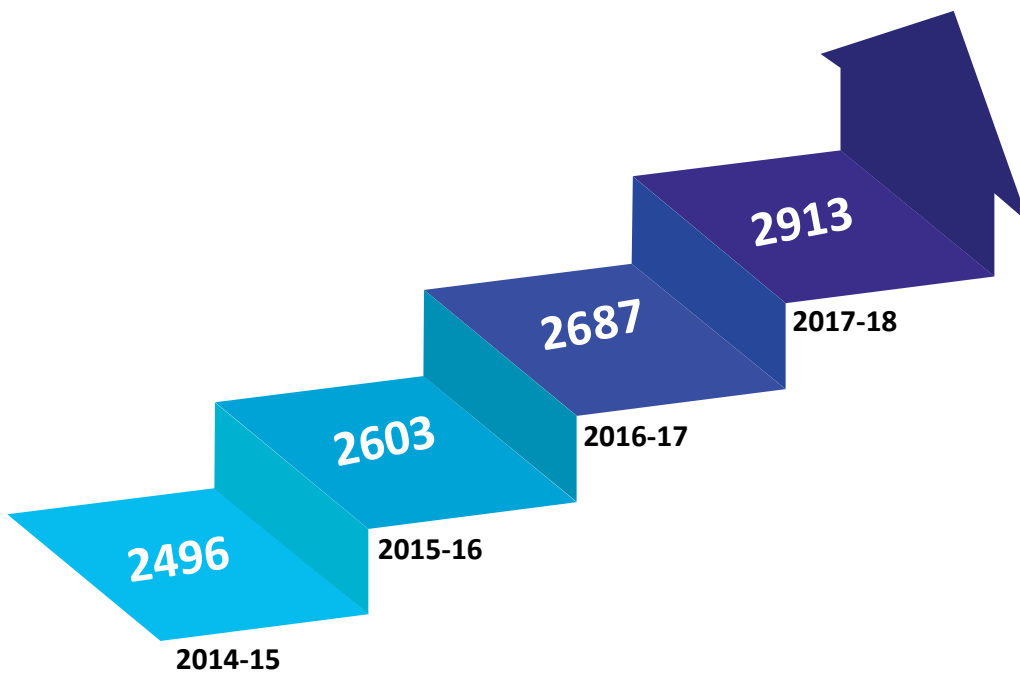




University of Kurdistan Total Student Number over the Last 4 Years

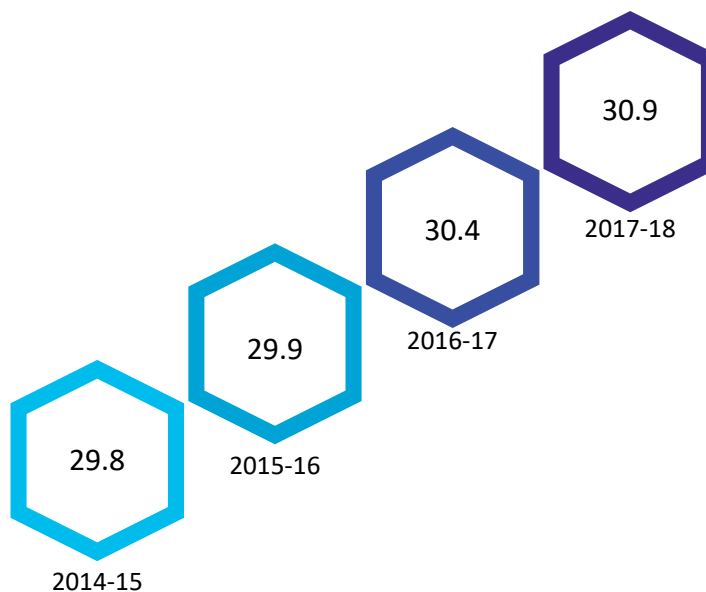


University of Kurdistan Graduate Student Number over the Last 4 Years

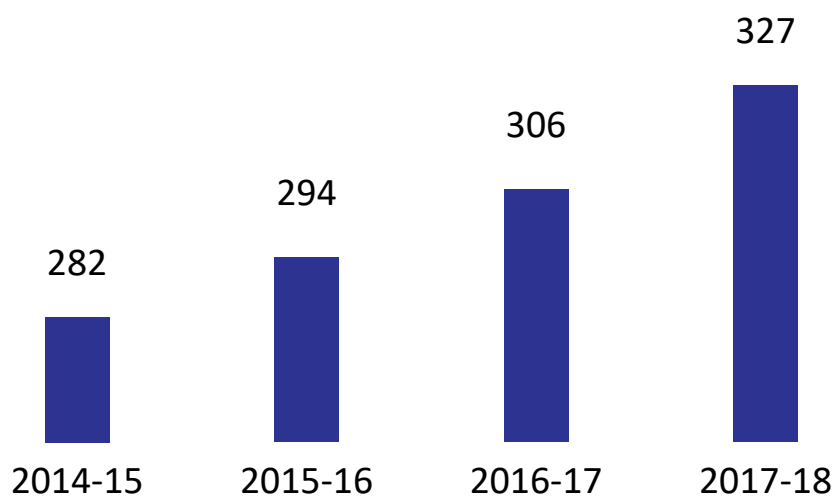




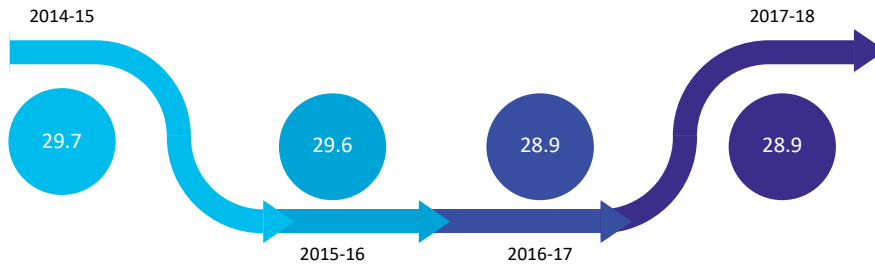
Postgraduate Student Number Relative to Total Student Number



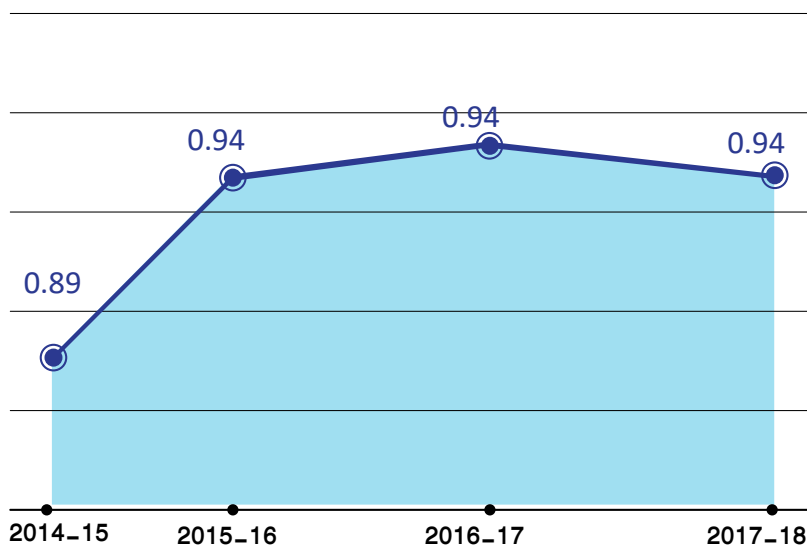
Total Faculty Member Number over the Last 4 Years



Student to Faculty Ratio

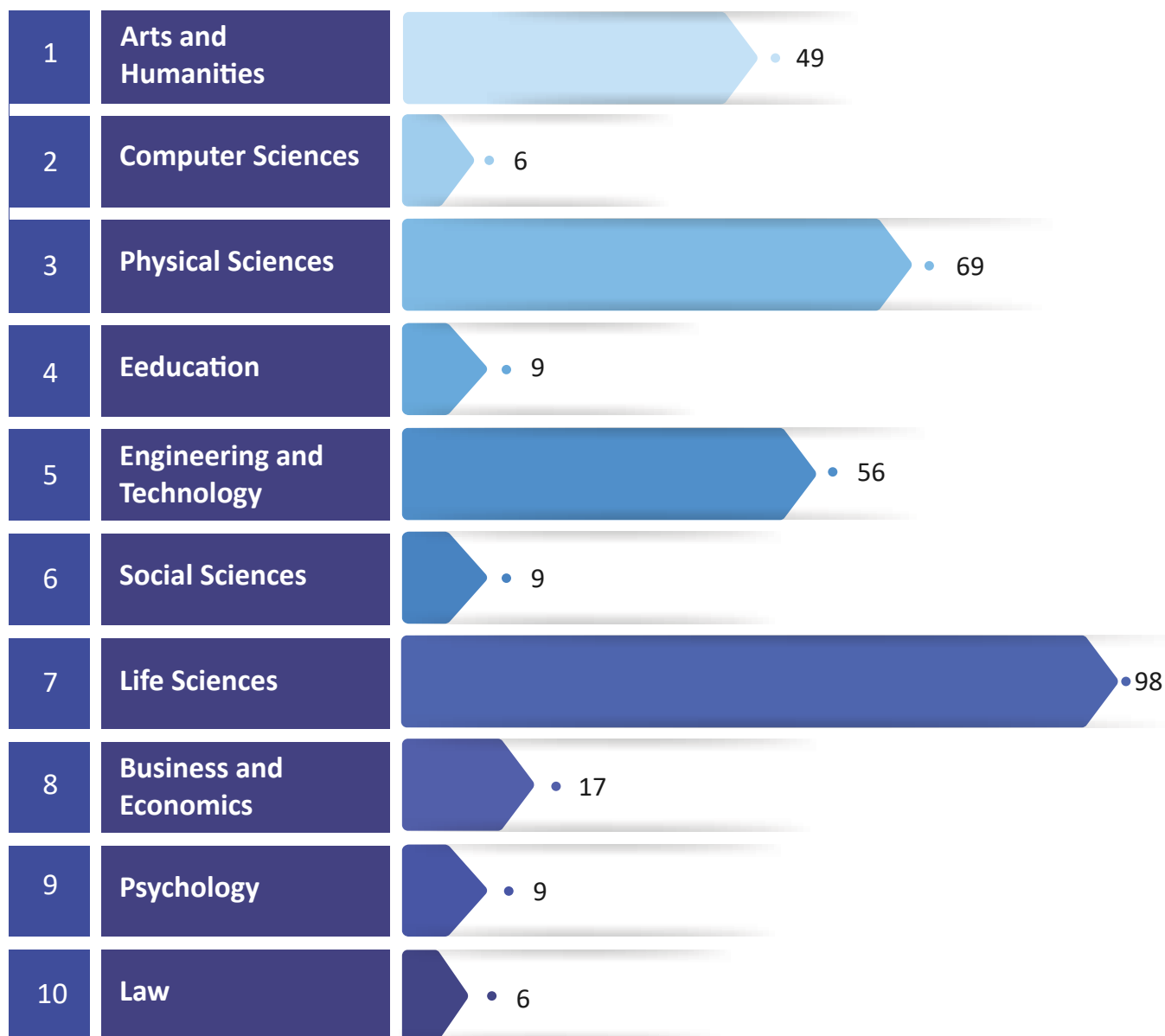


Number of Professors (with Assistant and higher ranks) relative to Total Number of Faculty Members





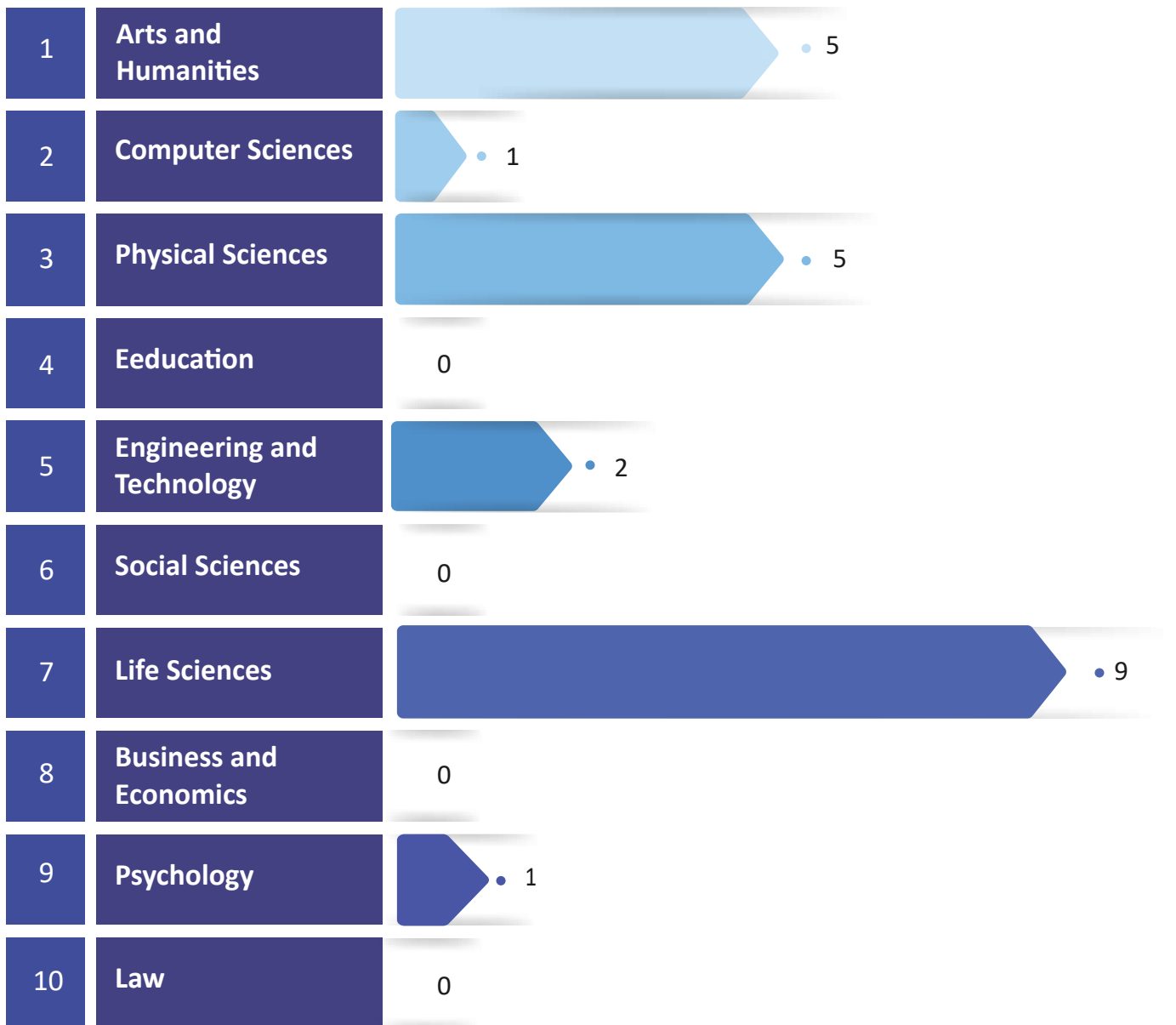
Number of Faculty Members



Total

327

Number of Female Faculty Members

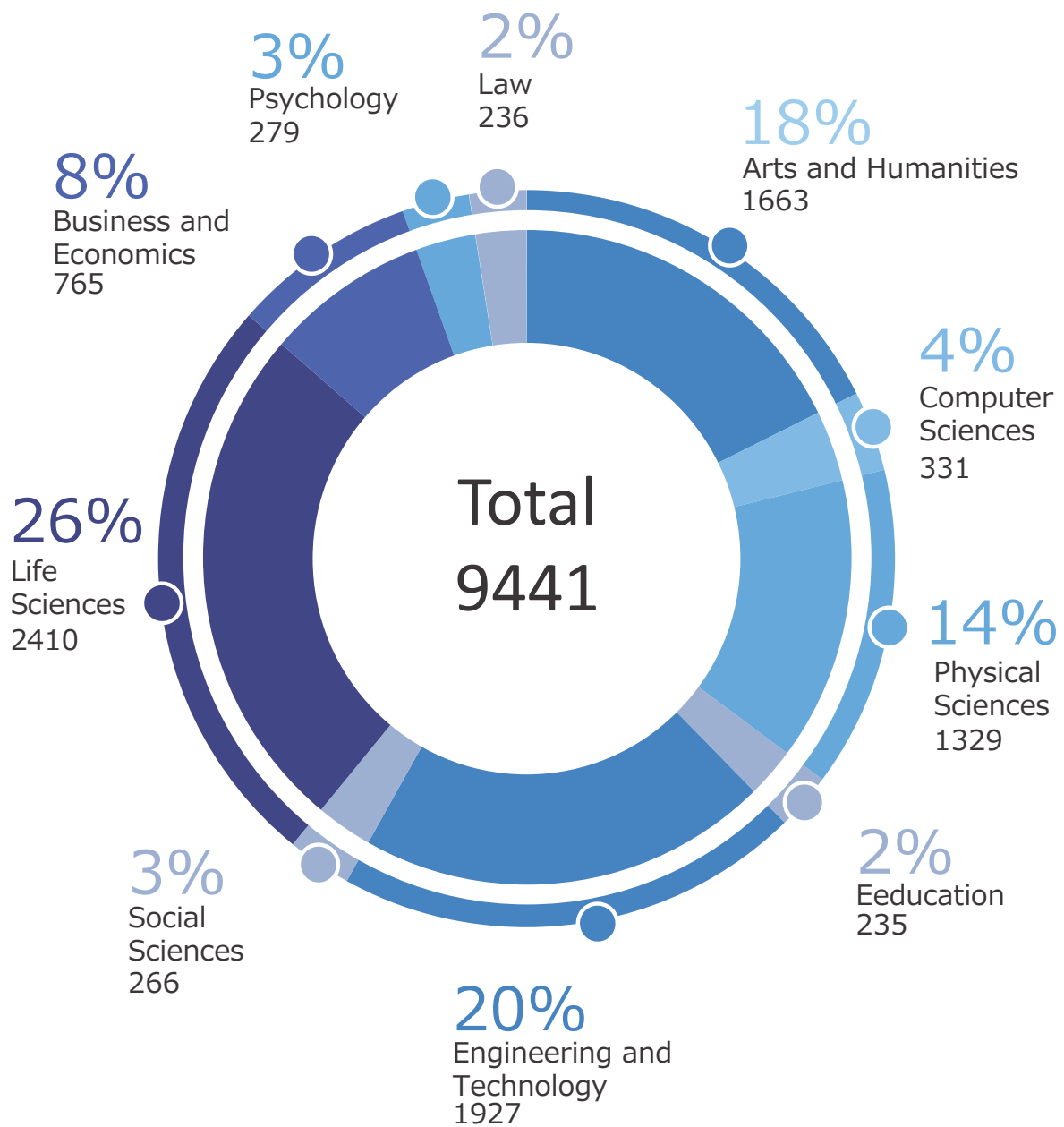


Total

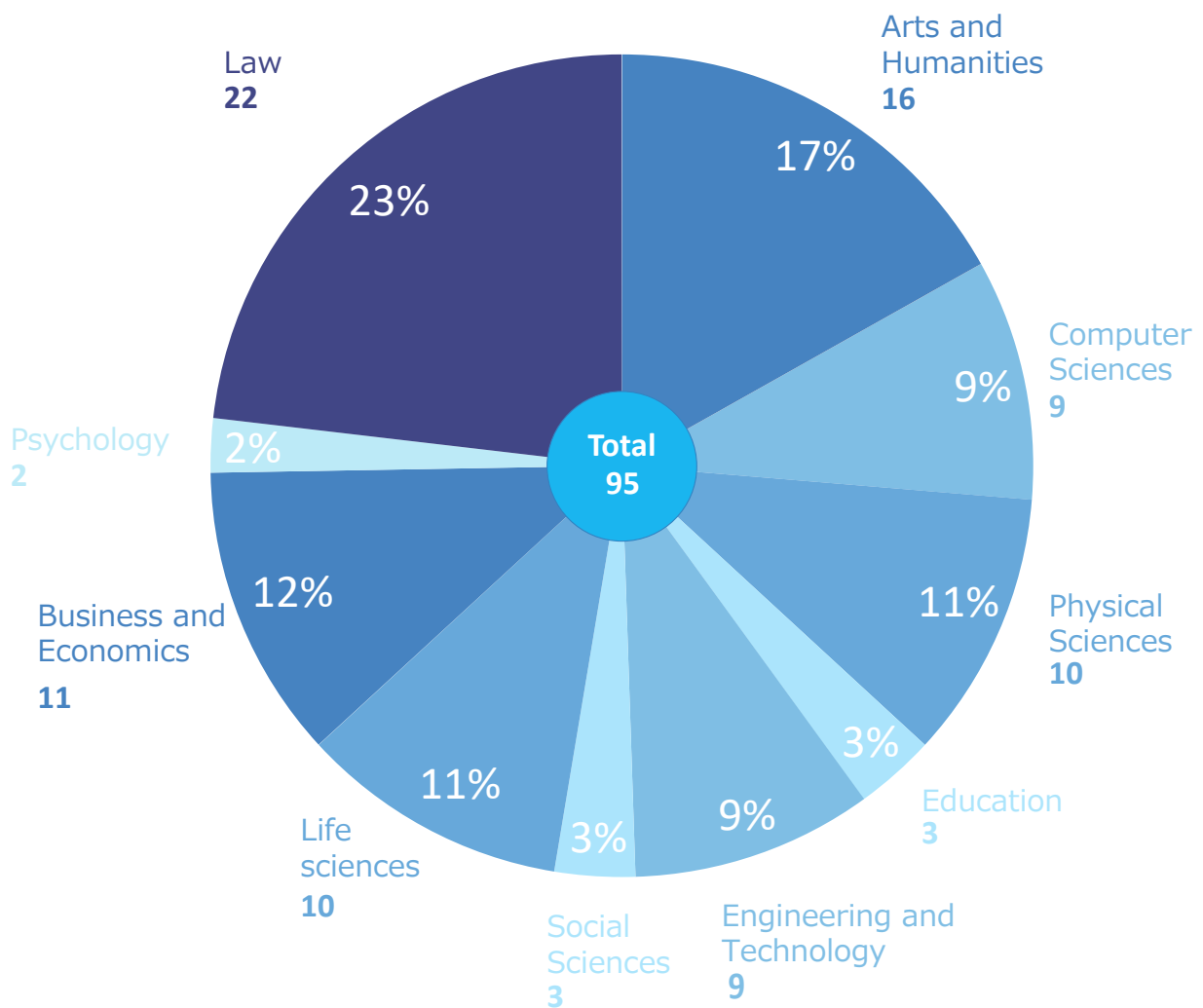
23



Number of students

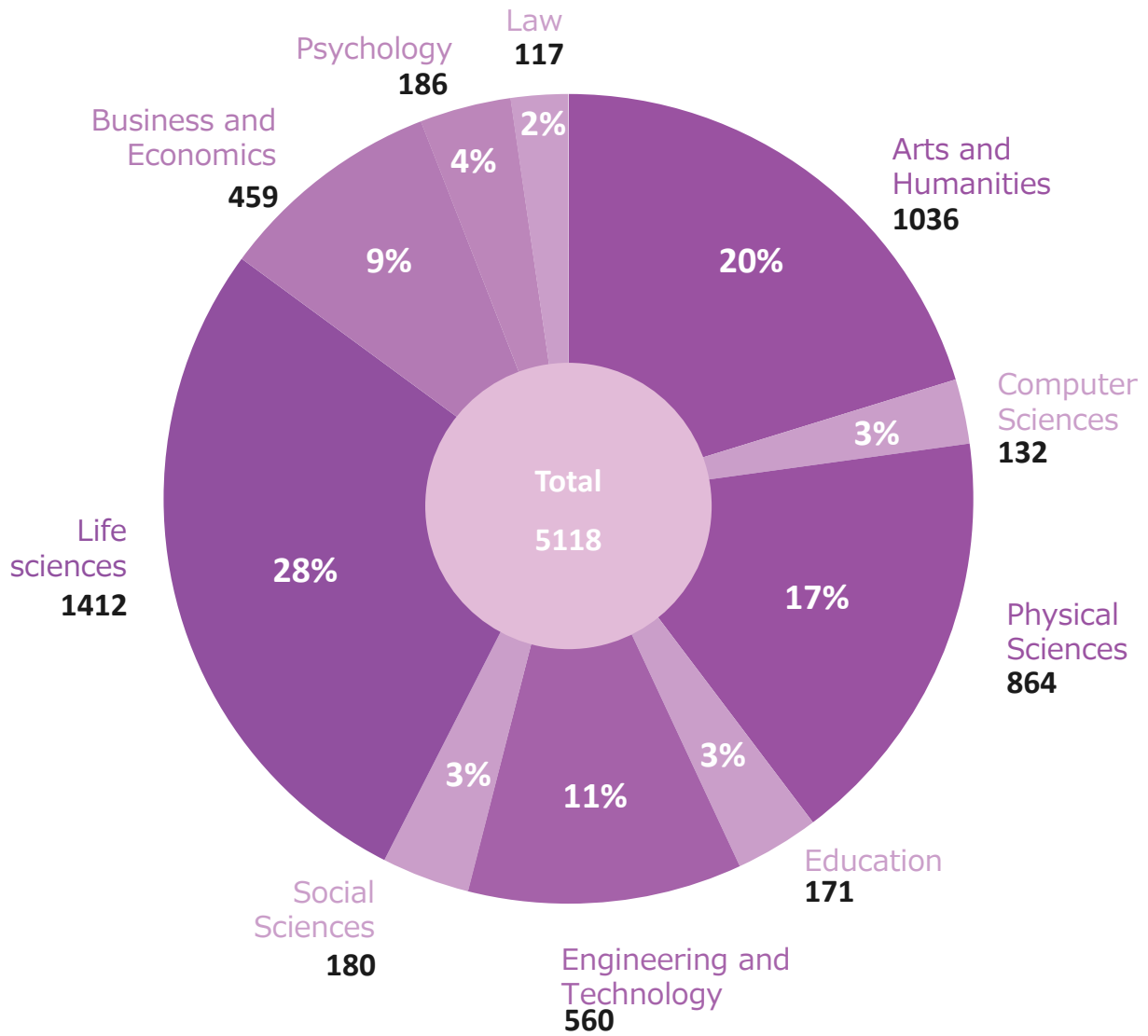


Number of International Students

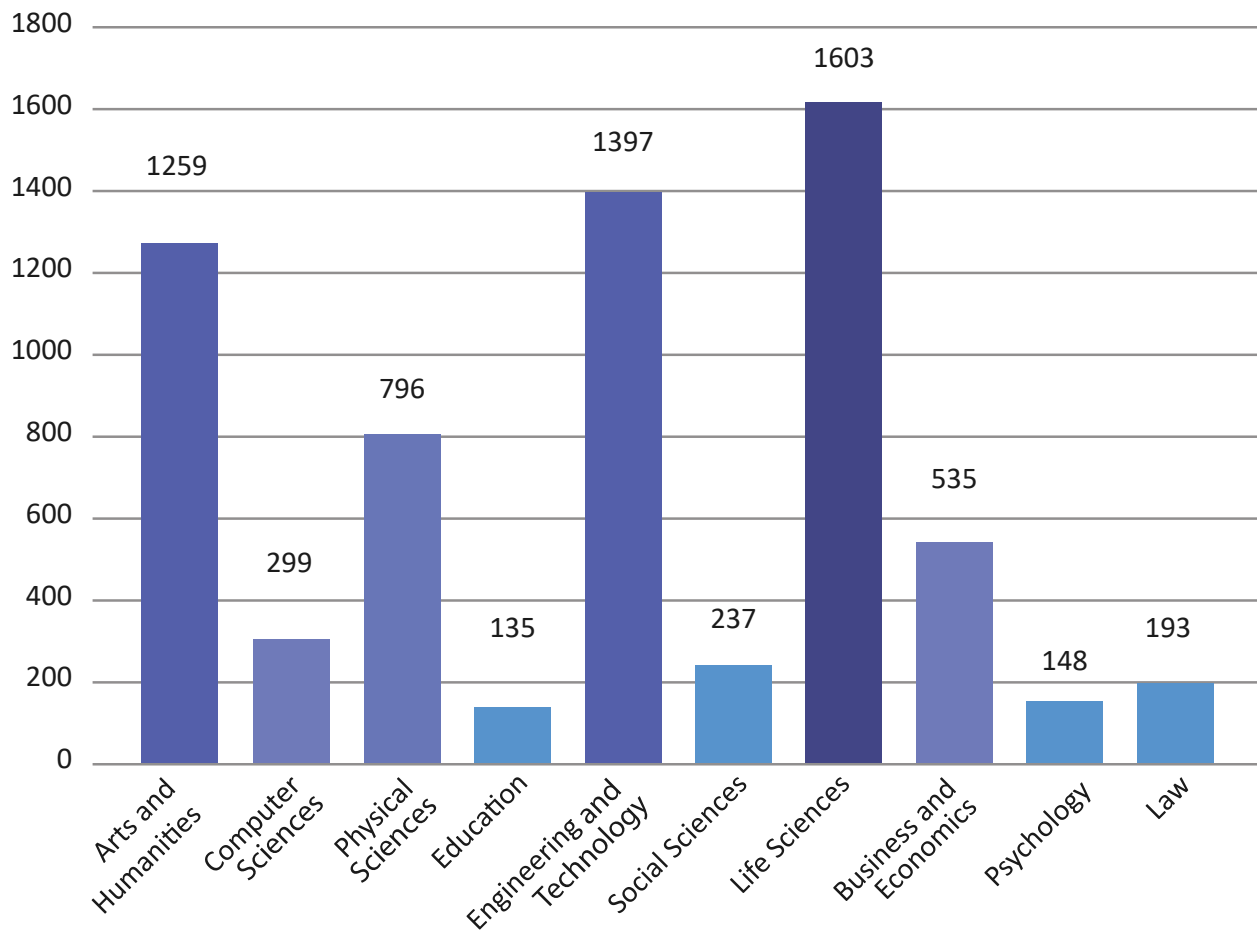




Number of Female Students



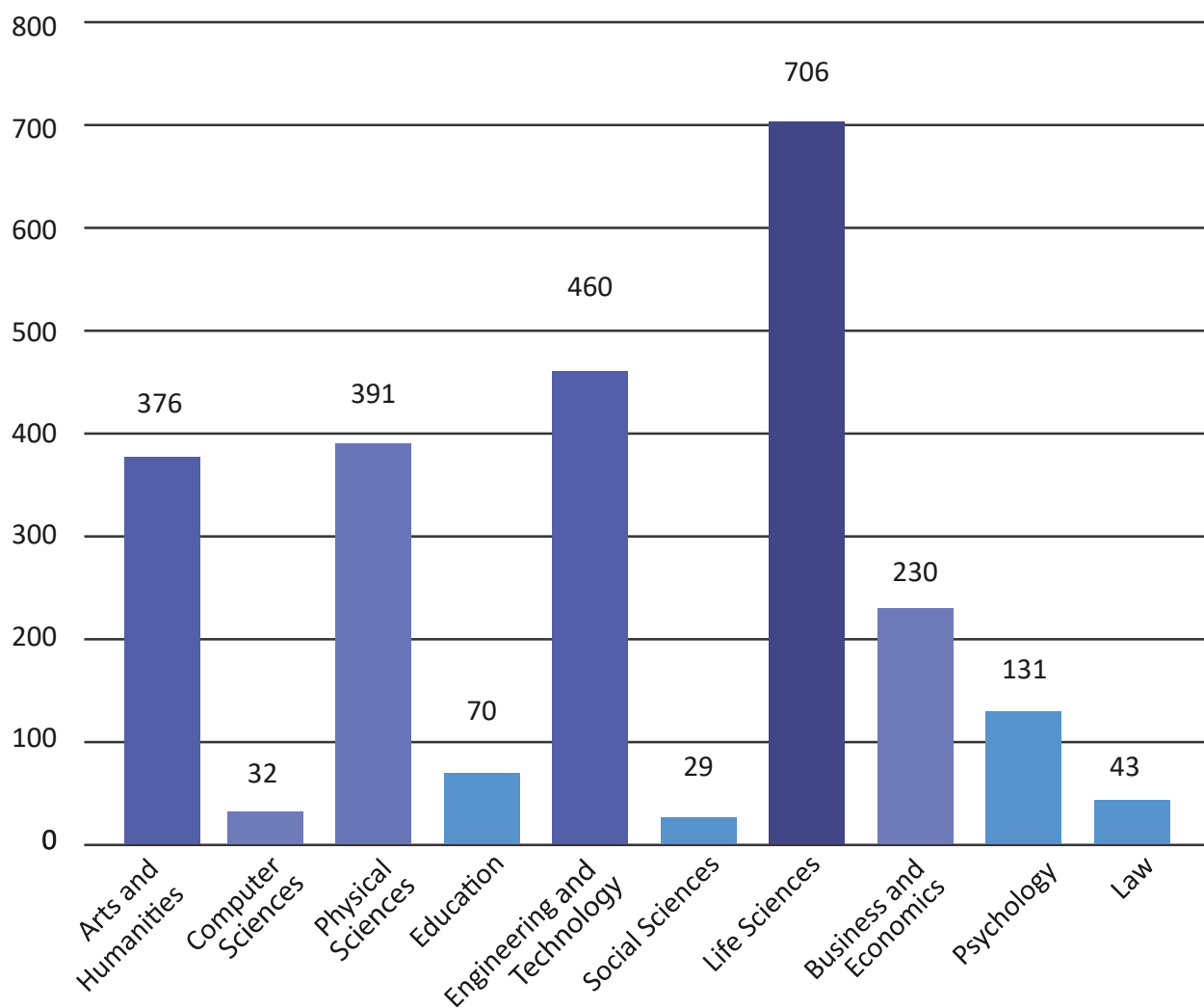
Number of Undergraduate Students



| | |
|--------------|-------------|
| Total | 6602 |
|--------------|-------------|



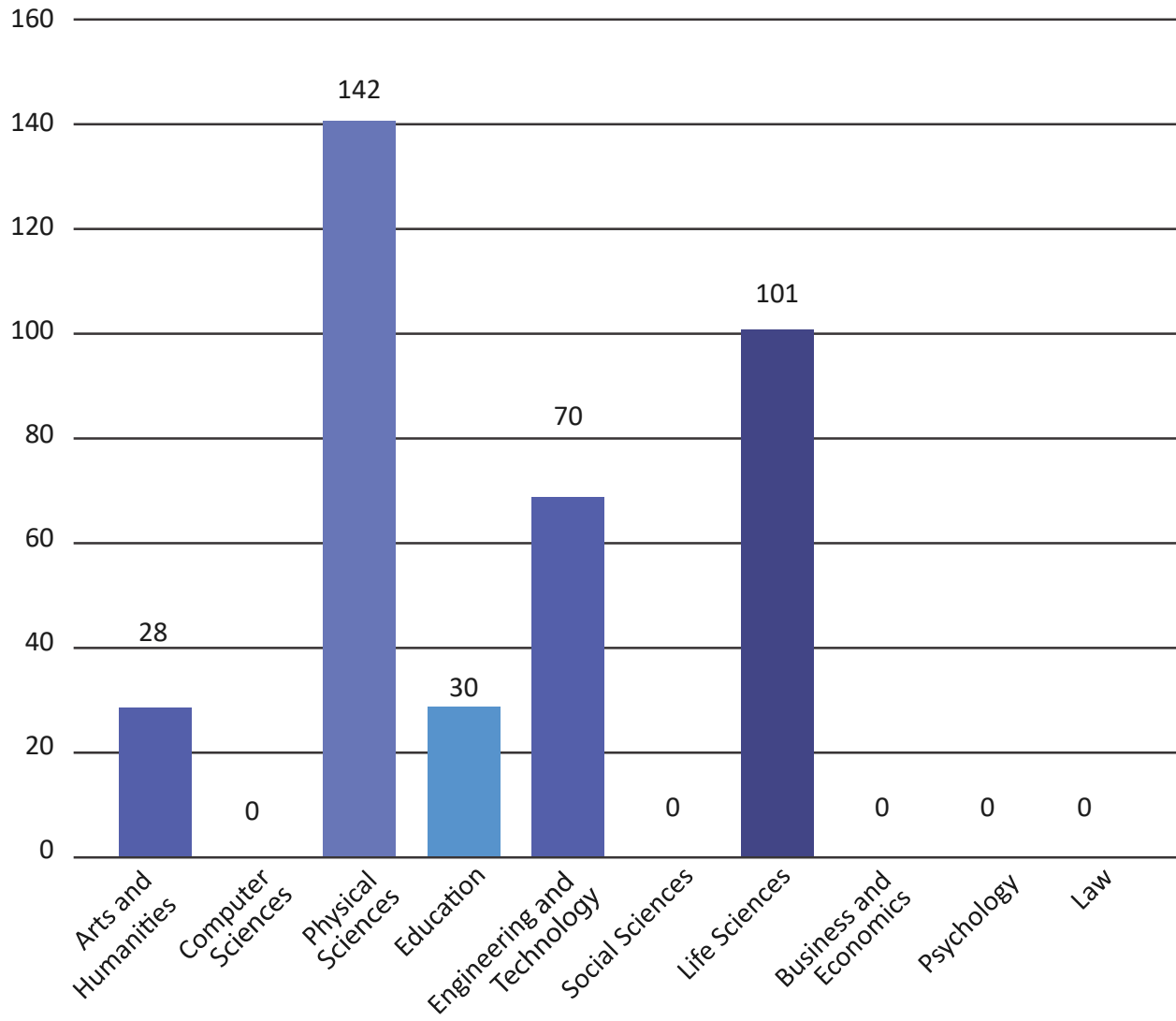
Number of Master Students



Total

2468

Number of PhD Students

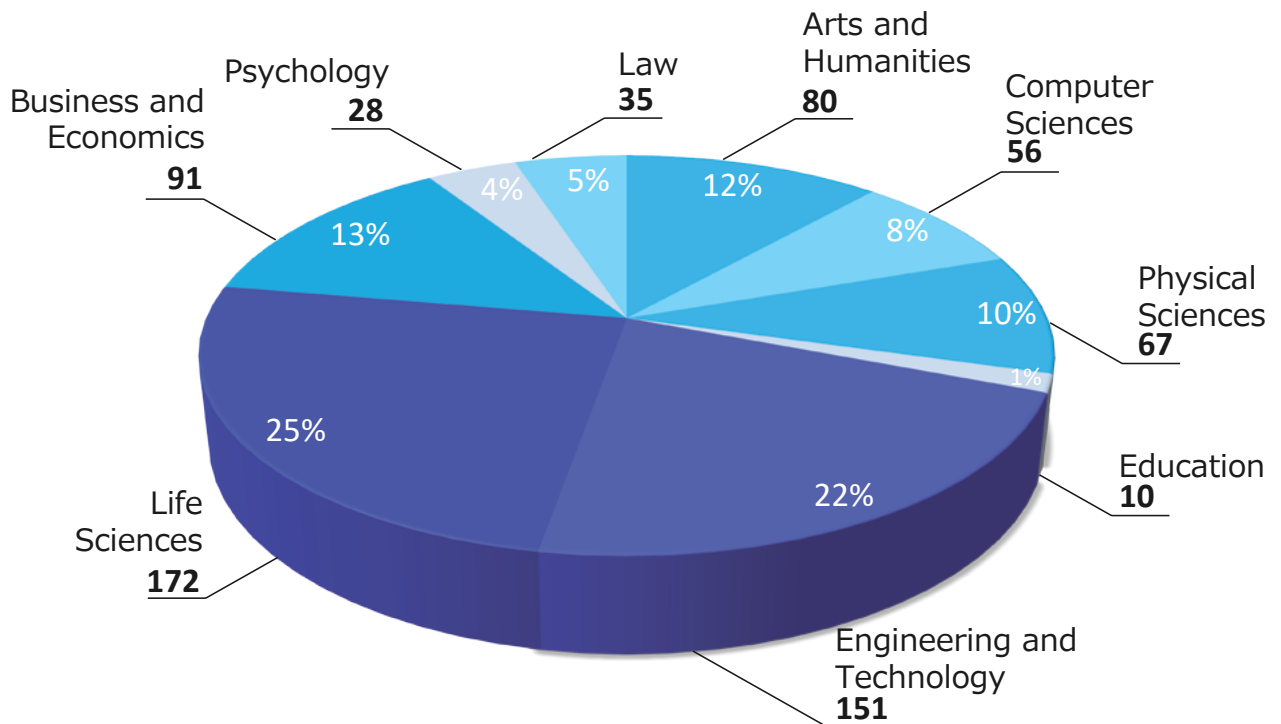


Total

371

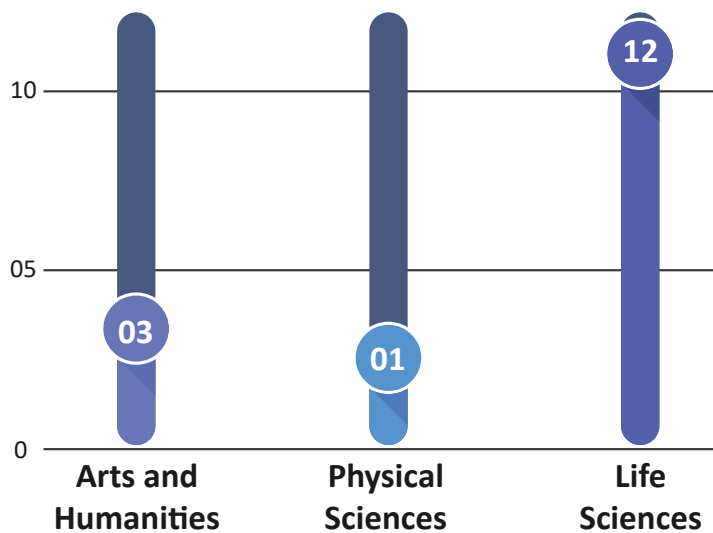


Number of Undergraduate Degrees Awarded

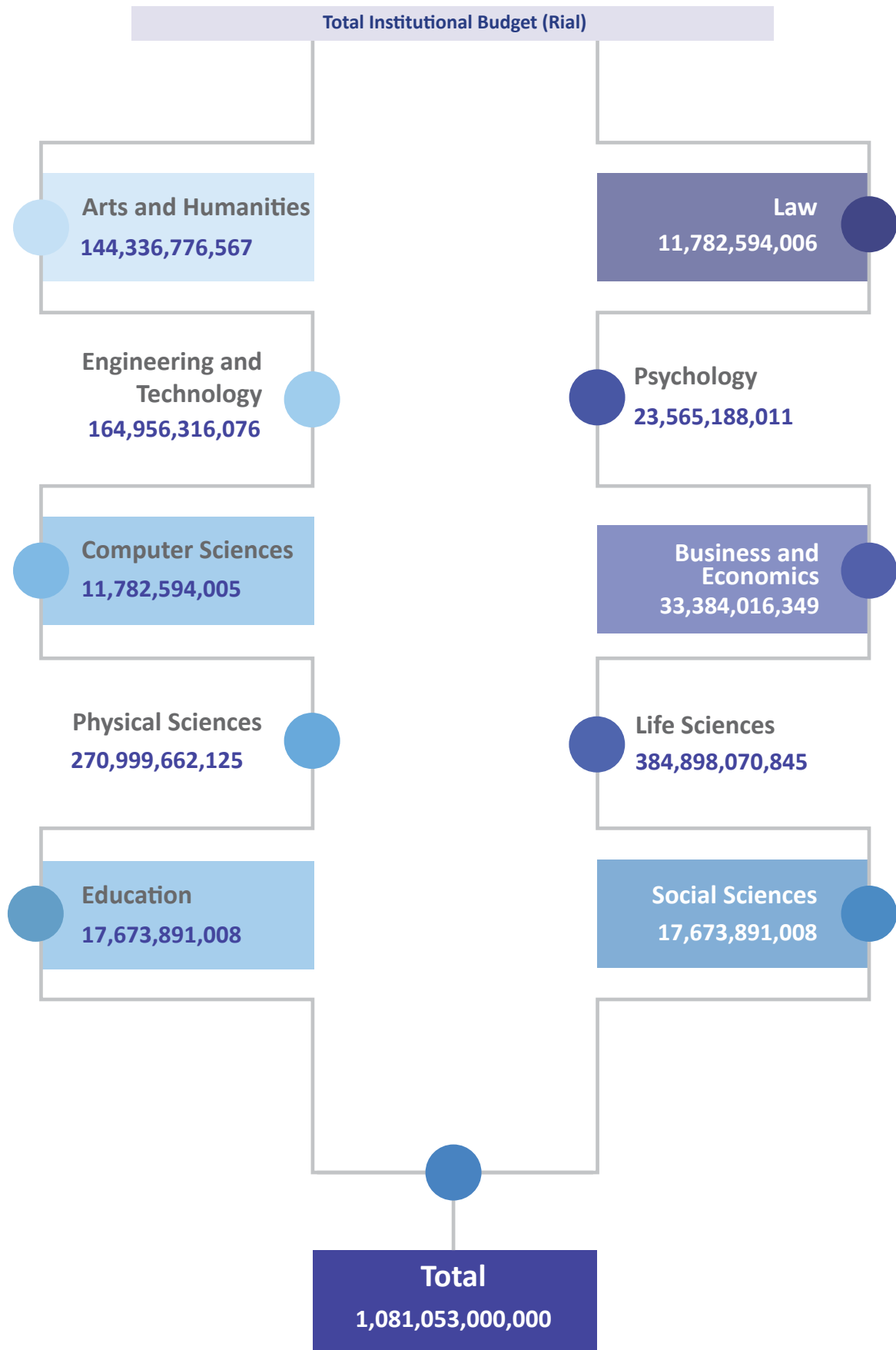


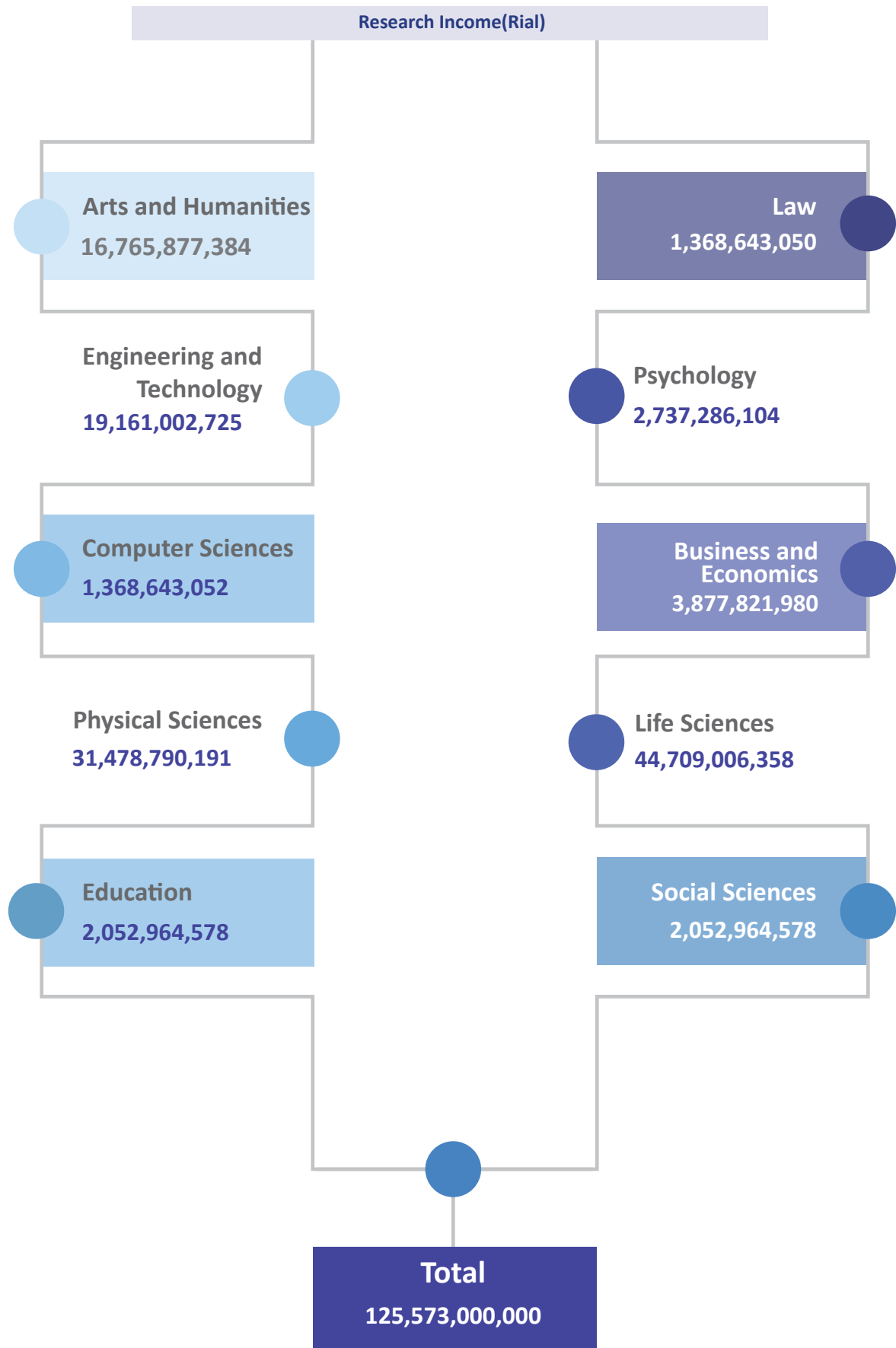
| | |
|-------|-----|
| Total | 690 |
|-------|-----|

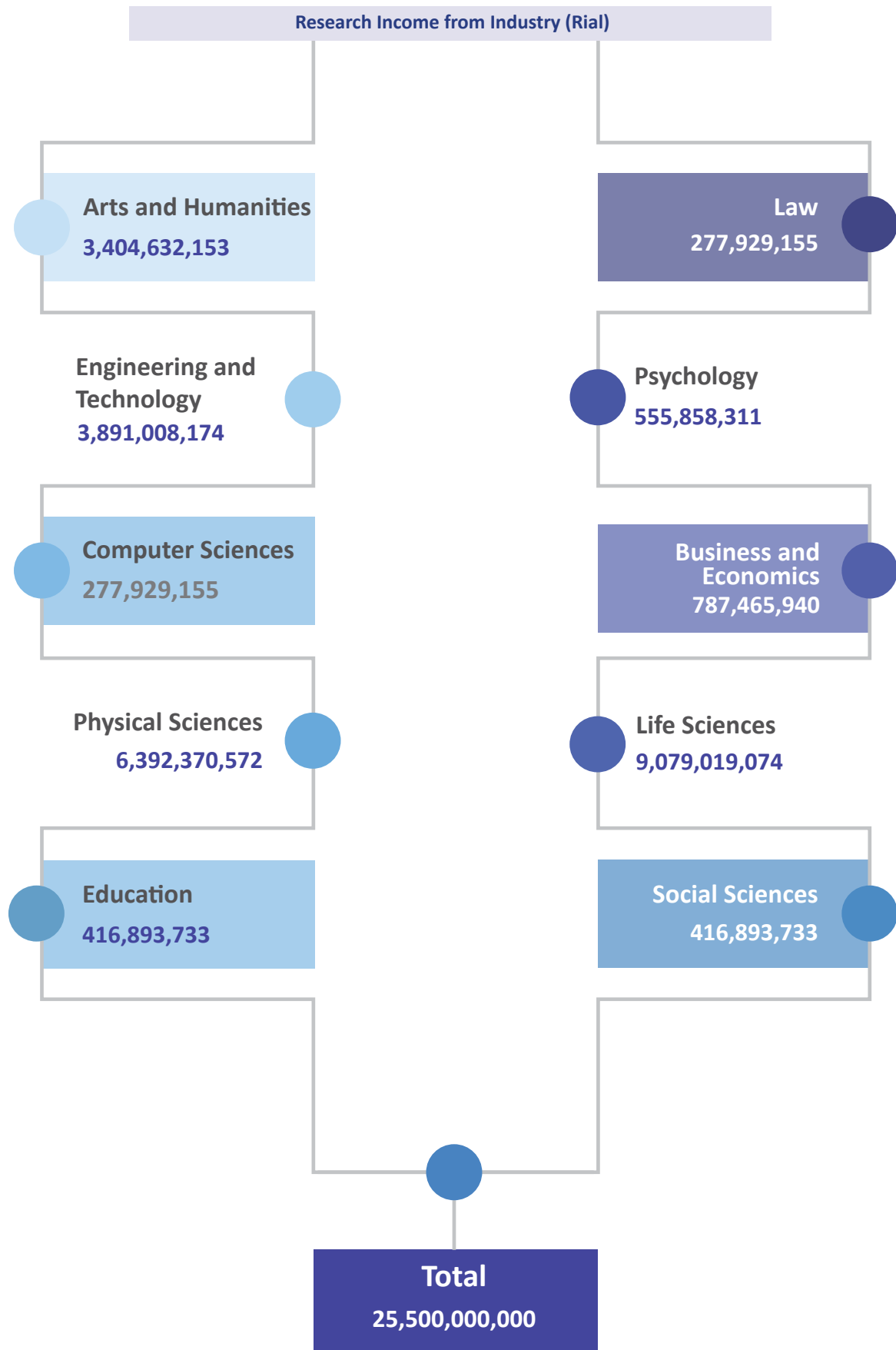
Number of PhD Degrees Awarded



| | |
|-------|----|
| Total | 16 |
|-------|----|









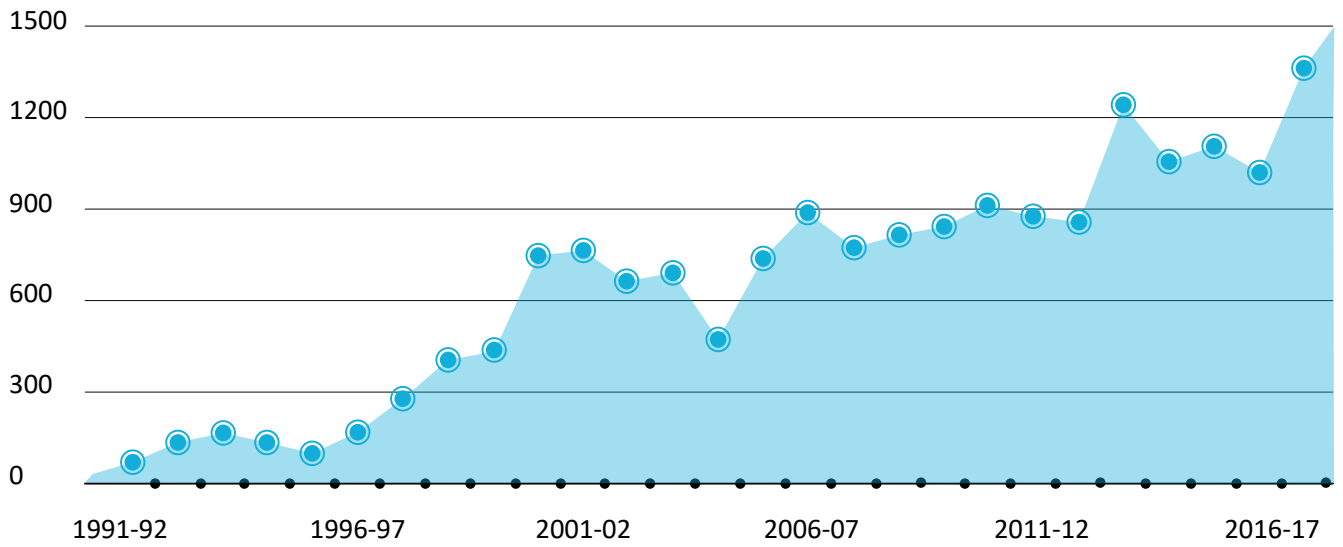
University of Kurdistan Number of Graduates (Alumni) by Faculty and Degree Program in the Academic Year 2016-2017

| | BA/BSc | MA/MSc | PhD | Total |
|---|---------------|---------------|------------|--------------|
| Faculty of Science | 99 | 55 | 26 | 180 |
| Faculty of Language and Literature | 77 | 44 | 1 | 122 |
| Faculty of Humanities and Social Sciences | 159 | 134 | 0 | 293 |
| Faculty of Agriculture | 119 | 69 | 1 | 189 |
| Faculty of Engineering | 313 | 81 | 10 | 404 |
| Faculty of Natural Resources | 91 | 46 | 0 | 137 |
| Faculty of Art and Architecture | 70 | 21 | 0 | 91 |
| Bijar Faculty of Science and Engineering | 7 | 0 | 0 | 7 |
| Total | 935 | 450 | 38 | 1423 |

Since the academic year 1991-1992, a total number of 18293 students have graduated from University of Kurdistan.



Total Number of Graduates



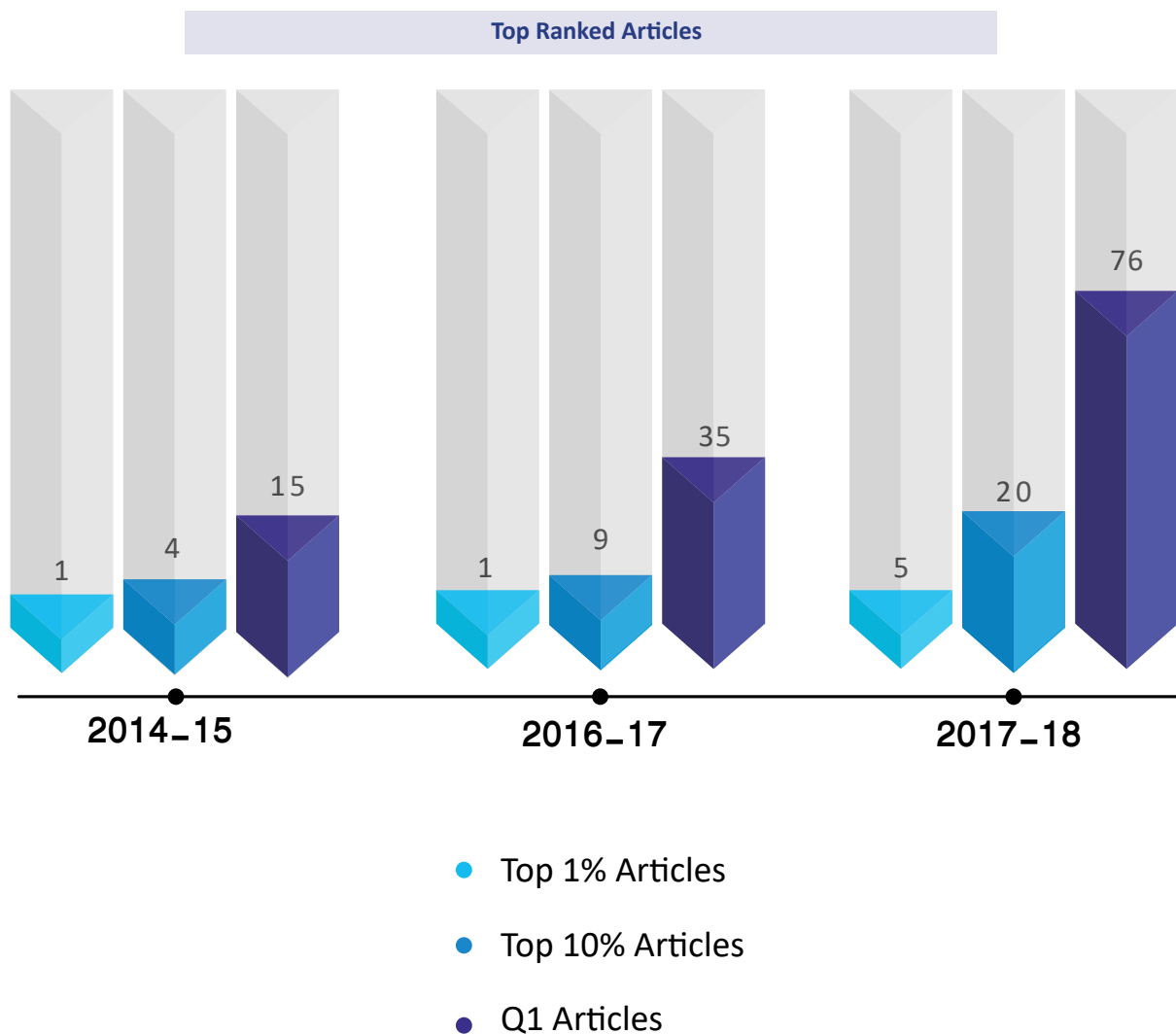
Research Statistical Indicators

| | Title | Number in 2017 |
|---|---|-----------------------|
| 1 | Conferences Held | 5 |
| 2 | Number of Articles in Prestigious National and International Journals | 642 |
| 3 | Number of Article Presented in Conferences | 445 |
| 4 | Number of Authored and Translated Books | 46 |
| 5 | Number of Books Purchased in 2017 | 41203 |
| 6 | Number of Faculty Members Taking Sabbatical Leave | 10 |
| 7 | Number of Academic Journals published | 10 |



Top Ranked Articles (JCR)

| | 2015 | 2016 | 2017 |
|------------------|------|------|------|
| Top 1% Articles | 1 | 1 | 5 |
| Top 10% Articles | 4 | 9 | 20 |
| Q1 Articles | 15 | 35 | 76 |



National Projects under Study or Construction in 2017

| | Title | Area(m ²) |
|--------------|--|-----------------------|
| 1 | Construction of Faculty of Natural Resources | 4200 |
| 2 | Classroom Building (with 25 classes) | 4000 |
| 3 | Construction of Sports Hall (No. 4) | 1600 |
| 4 | Construction of Student Dormitory | 3200 |
| 5 | Construction of Student Dormitory | 3000 |
| 6 | Construction of Girls Student Dormitory | 3000 |
| 7 | Construction of Central Library (Central Lab) | 5000 |
| 8 | Construction of Faculty of Industries and Mines of Qorveh | 5000 |
| 9 | Construction of the Faculty of Natural Resources and Agriculture of Saqqez | 3500 |
| Total | | 32500 |

Programs and Activities Statistics 2017

| Performed Activities in University Sub-Units | Number of Programs |
|--|--------------------|
| Students Scientific Associations | 258 |
| Student Organizations | 59 |
| Cultural, Social and Art Centers | 49 |
| Students Publications | 95 |
| Festivals and Conferences | 25 |
| Cultural and Educational Programs | 256 |
| Scientific and Cultural Excursions | 25 |



Student Dormitories and Nutrition

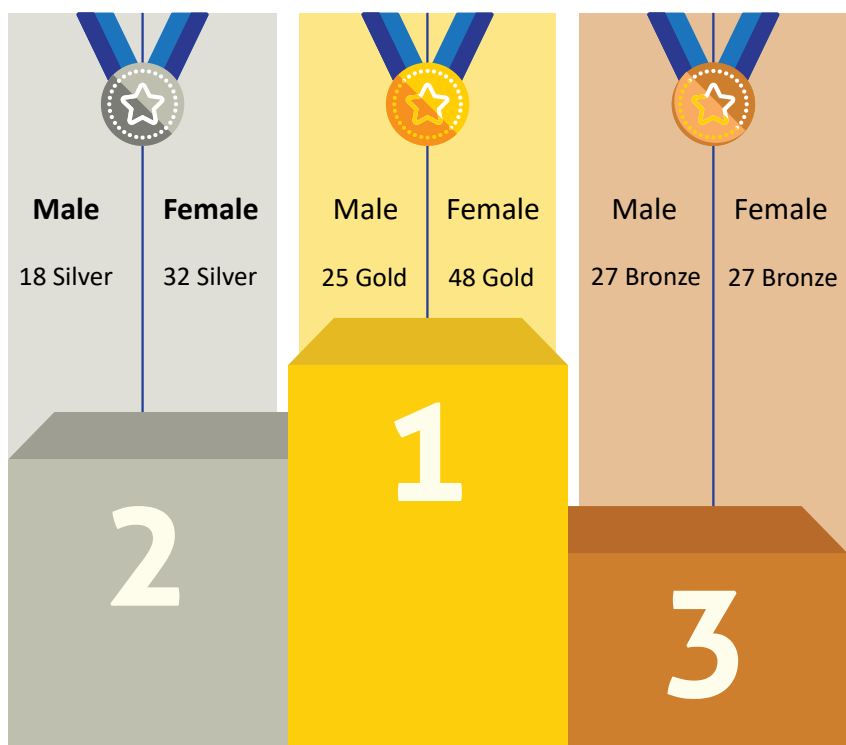
| Year | Total Capacity (Person) | | Applicant to Offer Ratio | Meals Served |
|------|-------------------------|-------|--------------------------|--------------|
| | Boys | Girls | | |
| 2017 | 1845 | 2486 | 1 | 841012 |

Student Loan Information

| Year | Number of Students Receiving Loans | Amount of Loans Provided |
|------|------------------------------------|--------------------------|
| 2017 | 8271 | 77570357400 |

Number of Sports Medals Won by Students

| Year | Gender | Sports Medals Won |
|------|--------|-----------------------------------|
| 2017 | Male | 25 Gold, 18 Silver, and 27 Bronze |
| | Female | 48 Gold, 32 Silver, and 27 Bronze |





Programs and Activities Statistics 2017

Annual Budget (Million Rial)

| | Year | Approved | Granted |
|---|------|----------|---------|
| 1 | 2011 | 236600 | 236600 |
| 2 | 2012 | 320625 | 257744 |
| 3 | 2013 | 393566 | 374588 |
| 4 | 2014 | 503921 | 503921 |
| 5 | 2015 | 568532 | 519462 |
| 6 | 2016 | 693883 | 693683 |
| 7 | 2017 | 837157 | 8371157 |

Capital Assets (Million Rial)

| | Year | Approved | Granted |
|---|------|----------|---------|
| 1 | 2011 | 81027 | 62872 |
| 2 | 2012 | 156440 | 32212 |
| 3 | 2013 | 178364 | 47720 |
| 4 | 2014 | 86674 | 49201 |
| 5 | 2015 | 128700 | 86400 |
| 6 | 2016 | 140250 | 52503 |
| 7 | 2017 | 152196 | 49919 |



University of Kurdistan Members of Staff by Employment Type and Education Level

| | PhD | MA/MSc | BA/BSc | AA/ASc | Diploma or Lower | Total |
|----------------------|----------|-----------|------------|-----------|------------------|------------|
| Permanent | 4 | 47 | 38 | 5 | 10 | 104 |
| Fixed-term contracts | 0 | 9 | 15 | 4 | 0 | 28 |
| Temporary contracts | 2 | 29 | 30 | 11 | 15 | 87 |
| Agency contracts | 0 | 6 | 25 | 17 | 134 | 182 |
| Total | 6 | 91 | 108 | 37 | 159 | 401 |

University of Kurdistan Members of Staff by Employment Type and Gender

| | Female | Male | Total |
|----------------------|------------|------------|------------|
| Permanent | 36 | 68 | 104 |
| Fixed-term contracts | 11 | 17 | 28 |
| Temporary contracts | 36 | 51 | 87 |
| Agency contracts | 38 | 144 | 182 |
| Total | 121 | 280 | 401 |



Enterprises Sponsored by University of Kurdistan at the Technology Units Incubator

Incubators are organizations or institutions that are set up to cultivate and grow small tech businesses so that these precocious neonates of technology can successfully emerge and enter the market. The main objective of the establishment of Technology Units Incubator is to provide a variety of physical, scientific, educational, financial, legal, and advisory services on various aspects of business to individuals and groups that intend to launch a new business in order to develop and commercialize a technology. In this way, not only can they overcome the obstacles to the development and commercialization of the technology they want, but they can also gain grounds, and enter the market. With the necessary support and the provision of basic services, these incubators will play an effective role in increasing the success rate of these units. Accordingly, the incubator provides an administrative and laboratory environment with various support services (scientific-educational, consulting, networking, legal, financial) with minimal cost for technology core and newly established knowledge enterprises. These incubators are usually established alongside a research center or university that has the capacity to provide such services to such enterprises, and they are a part of that research and academic center. After reaching the principled consensus with the Deputy of Technology of the Ministry of Science, Research and Technology in 2008, the University of Kurdistan began its official activities in accepting technology units in 2010.

Enterprises Sponsored by University of Kurdistan at the Technology Units Incubator

| | Name of Company | Field of Activity | Phase |
|---|---|---|-----------------|
| 1 | *Integrated Energy Intelligence Engineering (Mahya) | Energy management and optimization system | Incubation |
| 2 | Mehrdad Neroo Padidar | Development of a vertical axis turbine with moving blades | Incubation |
| 3 | Dada Pardaz Raimand Sharif | Development of a positioning and navigation system | Incubation |
| 4 | Dada Pardaz Vista Rayant* | Children's educational software design | Incubation |
| 5 | Aland Ertebat Zhiwar | Mobile Bus terminal | Incubation |
| 6 | Bazyaft Fanavaran Sabz Makan | Infrastructure | Incubation |
| 7 | MST Mechatronics Technology | New hydraulic retarder for trucks | Pre- Incubation |
| 8 | Kimia Kurdistan | Synthesis of ionic liquids | Pre- Incubation |



Enterprises based in the Kurdistan Science and Technology Park sponsored by Kurdistan

Several policymakers introduce technology parks as part of a thought-provoking strategy for national or regional development. Although each city or country may have different reasons for setting up technology parks, generally the primary goal of building a technology park is to increase the number of small and medium-sized knowledge enterprises to operate in an economic environment. These enterprises are referred to as private sector support for economic diversification. The University of Kurdistan’s Science and Technology Park was established in early 2013 (1392). The park’s prospect is to become an essential infrastructure and one of the most attractive working environments in the region for the presence of domestic and foreign knowledge-based units in a five-year period for technology development in Kurdistan province. In this period, the launch of 300 technology units is considered. Park-based units are divided into three categories of technology enterprises, engineering services enterprises, and research and development project units.

The University of Kurdistan cooperates with the Science and Technology Park of Kurdistan in the following areas:

1. Cooperation of the faculty members to evaluate technological projects
2. Cooperation of the faculty members to review the inventions
3. Cooperation of the faculty members to coach and mentor the technology units
- 4- Cooperation as a consultant in taxation, accounting, market, and commercialization
5. Use of facilities and infrastructure of the University of Kurdistan such as laboratories, workshops, auditoriums, and gymnasiums
- 6- Holding joint events such as Cultivation, Water, and Tourism Startups
- 7- Holding training courses recommended by the park
- 8- Holding technology tours and taking students to visit Science and Technology Parks

Enterprises based in the Kurdistan Science and Technology Park sponsored by Kurdistan

| | Name of Company | Field of Activity |
|----|--|--|
| 1 | Sanaye Jake Gazi Gardon | Mechanics |
| 2 | Sherkate mohandesye Dade Negar | Communication and Information Technology and Software Applications |
| 3 | Shin Arane Kordestan | Agriculture |
| 4 | Pak Azma ziste Kordestan | Laboratory Services |
| 5 | Rayan Afraz Pazhoh | Communication and Information Technology and Software Applications |
| 6 | Tabadolate Electronike Gharb | Communication and Information Technology and Software Applications |
| 7 | Tavonye Novin Pardaze Zhiro (Yazdan Panah) | Communication and Information Technology and Software Applications |
| 8 | Dade Pardazan Por Sam | Communication and Information Technology and Software Applications |
| 9 | Kavosh Hoshman Kara | Electronics |
| 10 | Shayan Eide Sana Fanavar | Services |
| 11 | Banta Pardaz Poyan | Communication and Information Technology and Software Applications |
| 12 | Ahora | Communication and Information Technology and Software Applications |
| 13 | Ostadan (Kafe Kar Afarin) | Services |
| 14 | Aria Mad Gharb | Services |
| 15 | Erfan Barqe Gharb | Electricity and Electronics |
| 16 | Kar Afarinan Amayesh Pars | Consulting and Mentoring Services |



| | Name of Company | Field of Activity |
|----|--|---|
| 1 | Dade Pardazan Haya | Communication and Information Technology and Software Applications |
| 2 | Saze Ahwan Paya | Advanced Manufacturing, production and Laboratory equipment |
| 3 | Kara Kontrol Hoshmand | Computer Hardware, Electrical Power, Electronics, Control and Telecommunication |
| 4 | Parto Taban Danesh | Medical Equipment and Tools |
| 5 | Taavoni Negarin Honar Zagros | Soft and Cultural Science and Technology |
| 6 | Yekta Eide Sanat Simineh | Computer Hardware, Electrical Power, Electronic, Control and Telecommunication |
| 7 | Fani Mohandesi Pad | Computer Hardware, Electrical Power, Electronic, Control and Telecommunication |
| 8 | Zar Dashte Kordestan | Advanced Products (Agriculture, Breeding and medicinal plants) |
| 9 | Bahar Sabze Kordestan | Advanced Products (Agriculture, Breeding and medicinal plants) |
| 10 | Nano Zist Pazhohane Zagros | Nano Technology (Products and Materials) |
| 11 | Zhori Mang | Communication and Information Technology and Software Applications |
| 12 | Kimia Bomi Sazan | Advanced Oil, Gas, Refining and Petrochemicals Equipment and Materials |
| 13 | Tahlilgarane Dade Hina | Communication and Information Technology and Software Applications |
| 14 | Tahlilgarane Dade Abidar | Communication and Information Technology and Software Applications |
| 15 | Kontrol Gostare Kahroba | Computer Hardware, Electrical Power, Electronics, Control and Telecommunication |
| 16 | Energy Sabze Kordestan | Advanced Manufacturing, production and Laboratory equipment |
| 17 | Zhiwan Tebe Asia | Medical Equipment and Tools |
| 18 | Tawan Saf Sina Gharb | Advanced Manufacturing, production and Laboratory equipment |
| 19 | Mana Ertebat Kare | Communication and Information Technology and Software Applications |
| 20 | Polad Khodro Shayan | Advanced Manufacturing, production and Laboratory equipment |
| 21 | Zhiwar Pareze Kordestan | Advanced Oil, Gas, Refining and Petrochemicals Equipment and Materials |
| 22 | Tosea Rayanesh Abri Kordestan | Communication and Information Technology and Software Applications |
| 23 | Tak Almase Mandegare Danesh | Computer Hardware, Electrical Power, Electronic, Control and Telecommunication |
| 24 | Tirozh Karan Gharb | Communication and Information Technology and Software Applications |
| 25 | Tose Dahandegane Donyaye Chabokeye Sam | Communication and Information Technology and Software Applications |
| 26 | Kelid Tasvire Motaharek | Soft and Cultural Science and Technology |
| 27 | Tolid Asale Gole Roz | Advanced Manufacturing, production and Laboratory equipment |
| 28 | Nawavarane Rayanesh Amn | Communication and Information Technology and Software Applications |
| 29 | Pishro Ziste Darman Pakan | Advanced Medicines |
| 30 | Arosak Motahareke Heja Arshia | Advanced Manufacturing, production and Laboratory equipment |



| | Name of Company | Field of Activity |
|----|--|--|
| 31 | Resane Avang Negare | Soft and Cultural Science and Technology |
| 32 | Sorina Eide Borna | Communication and Information Technology and Software Applications |
| 33 | Dadepardazi va Narmafzarye Akam Zagros | Communication and Information Technology and Software Applications |
| 34 | Bavar Systeme Abidar | Communication and Information Technology and Software Applications |
| 35 | Kazhawan Rayane Kordestan Taban | Communication and Information Technology and Software Applications |
| 36 | Media Tajhiz Shimi | Advanced Oil, Gas, Refining and Petrochemicals Equipment and Materials |
| 37 | Energy Saze Karino | Advanced Manufacturing, production and Laboratory equipment |
| 38 | Yekta Energy Sabze Kardo | Renewable Energy |
| 39 | Noyan Roja | Building, Road Construction, |
| 40 | Avin Keshto Sanate Abidar | Advanced Products (Agriculture, Breeding and medicinal plants) |
| 41 | Saniar Fanavarane Mana | Communication and Information Technology and Software Applications |
| 42 | Sare Fanavarane Fardaye Abidar | Communication and Information Technology and Software Applications |
| 43 | Eide Agrine Makanyabe Shahr | Communication and Information Technology and Software Applications |
| 44 | Zherfa Shabake Sena | Communication and Information Technology and Software Applications |
| 45 | Rayanpardaze Hoshmand | Communication and Information Technology and Software Applications |
| 46 | Poya Rayaneshe Atlas Raymand | Communication and Information Technology and Software Applications |
| 47 | Salamat Tajhiz Fanavar Nori | Advanced Manufacturing, production and Laboratory equipment |
| 48 | Bonian Danesh Darou Maad | Medical Equipment and Tools |
| 49 | Andishe Nike Dadmehre Arvand | Soft and Cultural Science and Technology |
| 50 | Bazyaft Sanat Sabze Kode Kordestan | Advanced Products (Agriculture, Breeding and medicinal plants) |
| 51 | Ertebatate Sefro Yeke Glaris | Communication and Information Technology and Software Applications |

Center for Entrepreneurship and Relation with the Industry

The Center for Entrepreneurship at University of Kurdistan was established in 2003 (1382) to implement the Karad Regulations (Entrepreneurship Development Plan at Universities in Iran) enacted by the Ministry of Science, Research and Technology to promote the development of entrepreneurial culture at University of Kurdistan. The main activities of the center include holding educational and promotional courses requested by students, professors, or governmental and non-governmental organizations, inviting the relevant experts to hold specialized educational and promotional seminars, and forming a link between the entrepreneurs and sponsoring organizations. Since October 2009, the establishment of entrepreneurship cores in faculties has been placed on the agenda of the Center for Entrepreneurship and the faculties of the university to introduce new plans such as the offer of a three-credit entrepreneurship course, sponsoring graduate students' entrepreneurship theses, and advising and guiding other entrepreneurial ideas with the participation and cooperation of faculty members and students to further enrich the program. Considering the importance of promoting the level of interactions between the University of Kurdistan and scientific and industrial centers, University of Kurdistan has been cooperating with the related organizations and enterprises in the form of a memorandum of understanding. These interactions include defining projects, and holding training courses to better prepare and empower the students.

| | Name of Company |
|----|--|
| 1 | Shakhes Pajouh Institute |
| 2 | Iran Small Industries and Industrial Parks Organization (ISIPO) Kurdistan branch |
| 3 | Ilam Gas Refining Company |
| 4 | Imam Khomeini Oil Refinery Company |
| 5 | Kurdistan electrical power distribution Co |
| 6 | Shafa institute |
| 7 | Gas Company of Kurdistan |
| 8 | Iran Technical and Vocational Training Organization |
| 9 | Kurdistan Construction Engineering Organization |
| 10 | Pakara Dairy Sanandaj |
| 11 | Barez Industrial Group |
| 12 | Kurdistan Petrochemical Company |
| 13 | House of industry, Mine and trade of Kurdistan |
| 14 | Karafarini omid fund |





**Postal Address: University of Kurdistan, Pasdaran Boulevard,
Sanandaj, Kurdistan, Iran**

Telephone: +98 87 33664600-8

Email: info@uok.ac.ir