At a glance
Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) is one of the largest universities in Germany and a top research university. Research and teaching at FAU is interdisciplinary and interfaces exist between Natural Sciences, Engineering, Medicine, Cultural Studies, Humanities, Social Sciences, Education Sciences, Economics, and Law. In the spirit of ‘Advance through Networks’, the faculties and departments work together to create a virtually unparalleled range of interdisciplinary degree programmes.

38,000 students
13,000 staff
653 professorships
25 clinical departments
24 Interdisciplinary Centres
5 DFG Collaborative Research Centres
5 DFG CRC/Transregios
24 DFG Research Groups
10 DFG Research Training Groups
28 DFG Priority Programmes
1 Cluster of Excellence
   “Engineering of Advanced Materials”
1 Graduate School
   “Advanced Optical Technologies”

www.fau.eu/university/history/
THE UNIVERSITY AT A GLANCE

Faculty of Humanities, Social Sciences, and Theology
- Classical World and Asian Cultures
- English, American and Romance Studies
- Fachdidaktiken
- German Studies and Comparative Studies
- History
- Islamic Religious Studies
- Media Studies and Art History
- Education Science
- Psychology and Sport Science
- Social Sciences and Philosophy
- School of Theology

Faculty of Business, Economics, and Law
- School of Law
- School of Business and Economics

Faculty of Medicine
- 25 clinical departments
- 17 institutes
- 19 autonomous departments

Faculty of Sciences
- Biology
- Chemistry and Pharmacy
- Geography and Earth Sciences
- Mathematics
- Physics

Faculty of Engineering
- Chemical Engineering and Bioengineering
- Electrical Engineering, Electronics and Information Technology
- Computer Science
- Mechanical Engineering
- Materials Science and Engineering
DEGREE PROGRAMMES

38,000 students
18,730 female students
6,185 first-year students (winter semester 2013)
4,900 graduates (2013)
239 degree programmes including
68 Bachelor’s degree programmes
79 Master’s degree programmes
6 State Examination/Magister degree programmes
85 teaching degree programmes
32 degree programmes with an international focus, including 14 double degree programmes (taught partly in English)
16 degree programmes taught in English (partly double degree programmes) and 9 degree programmes taught in other languages (including one double degree programme)
5 Elite degree programmes
3 international Graduate Schools in the Elite Network of Bavaria

FAU offers an extraordinary range of subjects with 239 degree programmes. Students experience research of the highest calibre right from the start of their degree programmes.

Several degree programmes reside at subject boundaries; some combine courses taught at different faculties and are strongly interdisciplinary in structure. These include: Molecular Medicine, Molecular Science, Mechatronics, Engineering Mathematics, Business Mathematics, Industrial Engineering and Cultural Geography. In addition, FAU offers degree programmes taught in English, including Chemical and Biological Engineering and Computational Engineering. Students also benefit from the practical focus of degree programmes in subject areas such as Chemical and Biological Engineering, Electrical Engineering, Mechanical Engineering, Computer Science, and Materials Science.

University services offer students ideal conditions for success during their studies: hardware and software supplied by the Erlangen Regional Computing Centre provides an optimal technical environment, whilst the University Library is one of the largest in Bavaria, with an almost inexhaustible supply of media for all disciplines and a valuable collection of old manuscripts. For students keen on learning or developing their foreign language skills, the Language Centre’s range of languages is second to none.

The students at FAU shape the surrounding region culturally, socially and economically. They acquire specialist knowledge and academic expertise which they then feed back into educational institutions, industries, service providers and start-up businesses, as well as into the health service and administrative or communications-related industries. These well-trained and highly motivated FAU graduates are much sought after by employers in the Nuremberg Metropolitan Region, Germany and the wider world.
A SELECTION OF THE 156 DEGREE PROGRAMMES

- Advanced Materials and Processes
- Book Studies
- Computational Engineering
- German and French Law
- Electrical Engineering, Electronics and Information Technology
- French Romance Studies
- Earth Sciences
- Teaching
- Information and Communication Technology
- Japanese Studies
- Art History
- Computational Linguistics
- Medicine
- Nordic Philology
- Organisation Development and Human Resources
- Pharmaceutics
- Law
- Social Economics
- Theatre and Media Studies
- Industrial Engineering and Management
- Dentistry

RESEARCH

- 1 Cluster of Excellence and 1 Graduate School in the German Excellence Initiative
- 10 DFG Collaborative Research Centres and Transregios
- 24 DFG Research Groups
- 10 DFG Research Training Groups
- 28 DFG Priority Programmes
- 1 Max Planck Institute for the Science of Light
- 1 International Max Planck Research School
- 2 Fraunhofer Institutes
- 1 Helmholtz Institute for Renewable Energies
- 8 Bavarian Research Associations
- 1 International Research Centre funded by the Federal Ministry of Education and Research

- 160 million euros in third-party funding (2012)
- 687 doctorates awarded (2012)

www.fau.eu/studying/degree-programmes/
The success of FAU is based on research that continually crosses boundaries between concepts, subjects, institutions and countries. High-profile national and international academic awards as well as excellent placements in research rankings are proof of its research achievements. With 160 million euros in third-party funding (2012), FAU has a leading position among German universities in terms of attracting funding from both public and private benefactors of academia and research.

In line with the University’s guiding principle ‘Advance through Networks’, each of the eight inter-faculty Major Research Areas (see list on page 12) brings together at least 30 professorships and many diverse research units in order to transcend traditional subject boundaries.

In the fields of biomedicine, technology and the sciences, FAU has a particularly strong research constellation. Ten DFG Collaborative Research Centres and Research Units, and the majority of the University’s 24 DFG Research Groups (of which FAU is often the co-ordinating university) are actively engaged in outstanding research in these fields. Eight Research Training Groups for excellent young researchers cover topics as diverse as comparative cultural studies and the development of new high temperature materials. The Erlangen Graduate School in ‘Advanced Optical Technologies’ and the Cluster of Excellence ‘Engineering of Advanced Materials’ represent FAU success stories within the DFG Excellence Initiative.

Numerous joint ventures involving partnerships between companies and FAU guarantee the rapid transfer of research results. This applies in particular to progress in molecular biomedicine and medical engineering, expertise for advanced materials and efficient production processes, and basic research for growth industries such as electronics and information technology, or optics and optical technologies. The Max Planck Institute for the Science of Light in Erlangen, the International Max Planck Research School ‘Optics and Imaging’ and International Audio Laboratories in Erlangen are among the high calibre research institutions close to FAU.

FAU works with numerous companies in collaborative applied research. The University has enjoyed a long-standing cooperation with Siemens AG, which has contributed to the development of the Leading Edge Cluster ‘Medical Valley’ financed by the Federal Ministry of Education and Research (BMBF).

With the Emerging Fields Initiative (EFI), FAU is moving in a new and promising direction. This funding programme assists interdisciplinary projects showing high potential from their early stages onward, thus allowing FAU to react to emerging research challenges quickly, effectively and with the minimum amount of bureaucracy. In doing so, FAU is in a position to attract outstanding researchers and strengthen alliances with high-ranking partners. FAU currently supports 18 projects through the EFI.
## Major Research Areas

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<th>Faculty</th>
<th>Humanities, Social Sciences, and Theology</th>
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<th>Medicine</th>
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<td>Major Research Areas</td>
<td>New Materials and Processes</td>
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<td>Molecular Life Science and Medicine</td>
<td>Medical Engineering</td>
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CENTRAL RESEARCH INSTITUTIONS

• Institute of Advanced Materials and Processes
• Centre for Area Studies
• Centre for Applied Ethics and Science Communication
• Central Institute of Healthcare Engineering
• Centre for Teacher Education
• Centre for Scientific Computing
• Central Institute for Anthropology of Religion(s)

www.fau.eu/institutions-and-services/central-institutions.shtml

INTERDISCIPLINARY CENTRES

Cutting-edge research often requires a level of cooperation that goes beyond the boundaries of each individual faculty or subject. In order to facilitate, intensify and consolidate this type of co-operation, FAU has established interdisciplinary centres which promote and develop a network of connections between fields of research.

Interdisciplinary Centre for

• Public Health
• Islamic Religious Studies
• Gerontology
• Dialectology and Language Variation
• Classical and Ancient Studies
• European Medieval and Renaissance Studies
• Lexicography, Valency and Collocation
• Interface-Controlled Processes
• Clinical Research
• Aesthetic Education
• Literature and Contemporary Culture
• Molecular Materials
• Labour Market and Workplace Studies
• Embedded Systems
• Preventative Medicine in Ophthalmology and Imaging Edition Philology
• Neurosciences
• Media Studies
• Emmy Noether Centre for Algebra with a special focus on Representation Theory
• Erlangen Centre of Plant Science
• Erlangen Catalysis Resource Centre
• Erlangen Centre for Infection Research
• Medical Immunology Campus Erlangen (MICE)
• Emil Fischer Centre
ENDOWED CHAIRS AND PROFESSORSHIPS

INTERNATIONAL CONTACTS

- A total of 500 university partnerships in more than 70 countries, including 250 Erasmus student exchange agreements
- Around 1,000 visiting academics come to FAU from abroad each year
- 3,295 international students
- Staff from more than 90 nations

Friedrich-Alexander-Universität Erlangen-Nürnberg is part of an international network of universities and maintains close ties with 500 partner universities in more than 70 countries. FAU is also active in several large, international research co-operations and works closely with leading universities throughout the world. Friedrich-Alexander-Universität Erlangen-Nürnberg is one of the most attractive German universities for visiting academics from abroad. Every year more and more Humboldt scholars and prize-winning researchers choose to spend some time as a visiting academic at FAU.

Amongst the range of its international contacts, the ties between FAU and the Far East are particularly close. With the Busan Campus, FAU became the first German university to establish a branch campus in South Korea and is now leading the way towards internationalisation. FAU is already making significant contributions to the transfer of knowledge and technology between Germany and South Korea.

Following the example set by the Goethe Institute, China has founded a Confucius Institute in the Nuremberg Metropolitan Region in co-operation with the University. FAU also co-ordinates the Bavaria California Technology Centre, and facilitates academic contacts with South America via the Bavarian University Centre for Latin America.
UNIVERSITY COLLECTIONS

FAU owns numerous collections covering a wide variety of disciplines. Some of them still play an important role in teaching and research today. Others are primarily of historical importance.

- Anatomical Collection
- Antique and Classical Collection
- Astronomical Collection
- Botanical Garden
- Ethnological Collection
- Herbarium Erlangense
- Geological Collection
- Computer Technology Collection Erlangen (ISER)
- Martius-Pharmacognostic Collection
- Medical Collection
- Master drawings —
  FAU Collection of Prints and Drawings
- Mineralogical Collection
- Medical Moulage Collection
- Collection of Musical Instruments
- Palaeontological Collection
- Pathological Collection
- History of School Education
- University Archive
- University Library
- Pre- and Early History
- Zoological Collection

www.sammlungen.fau.de

THE REGION

Both Erlangen with its population of 100,000, and the half-million strong metropolis of Nuremberg have their very own special charm. Opera, theatre and museums, cabaret and street performances and a vibrant night life offer diversity and excitement after a long day in a laboratory or library. Highlights among the events in Erlangen are the Audio Art Festival (Hörkunstfestival), Comic Salon, Poetry Festival (Poetenfest) and the student theatre festival, Arena. Countless cultural venues open their doors for the annual Blue Night in Nuremberg. Every other year, the research institutions in Erlangen, Nuremberg and Fuerth hold the ‘Long Night of Sciences’. For those who enjoy outdoor activities, Fränkische Schweiz, a paradise for climbers and walkers, is right on our doorstep and water sports enthusiasts will find the Fränkische Seenland and the University’s own watersports centre a temptation hard to resist.
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STUDYING, RESEARCH AND LIVING IS BEST AT FAU

The presence of Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) in all disciplines is key to the University’s academic excellence. Thanks to the close collaboration of individual subjects, the University has succeeded in establishing innovative and internationally recognised key fields of research with its Major Research Areas. FAU also co-operates closely with many non-university research institutions and industry. As one of Germany’s largest universities, it has a pioneering role in developing the technology of tomorrow.

At the University of Erlangen-Nürnberg, research and teaching go hand in hand. FAU students benefit from excellent study conditions and gain first-hand knowledge of state-of-the-art research in their subject. After their studies, FAU graduates have excellent prospects for successful professional and career development.

While having an international outlook, the University is also firmly rooted in the Nuremberg Metropolitan Region.