



Research in Bavaria – Doctoral Programs in English

Would you like to study for a doctorate in Bavaria, but don't know where to start? This list offers you a first overview of structured PhD programs in Bavaria. These programs are particularly attractive for international applicants, as they often have an international or interdisciplinary focus and are frequently conducted in English or other foreign languages. During the PhD program you will receive intensive supervision from a team of university professors. This arrangement allows most doctoral candidates to complete their PhD programs within three years. In addition, graduate schools frequently offer program-specific scholarships and paid PhD positions for research associates. If you would like to receive further information on the individual programs listed, please contact the relevant university directly.

If the particular subject area you are interested in is missing from the list, don't worry! In Bavaria, most doctoral candidates take an individual approach to suit their specific needs. If you choose to pursue this "traditional" route, you can apply at any university department or facility to conduct your research and ask a professor to supervise your work on a one-to-one basis.

For more information on PhD programs in Bavaria and ways to finance your doctorate visit <https://www.research-in-bavaria.de/apply-for-a-phd>



You may also find useful information on living and working in Bavaria at www.research-in-bavaria.de.

More information on programs of the Elite Network of Bavaria for exceptionally talented researchers can be found at www.elitenetzwerk.bayern.de/en/home.

Below, you will find an explanation of the German doctoral titles listed in this overview. For information on the process of official recognition procedures in your home country, please enquire at your home university.

Explanation of the German doctoral titles:

Dr.- Ing. = (engineer): Doctor of Engineering Sciences
Dr. oec. publ. = (oeconomiae publicae): Doctor of Economics
Dr. rer. pol. = (rerum politicarum): Doctor of Political Science
Dr. theol. = (theologiae): Doctor of Theology

Dr. iur. / Dr. jur. = (iuris / juris): Doctor of Law
Dr. med. = (medicinae): Doctor of Medicine
Dr. rer. nat. = (rerum naturalium): Doctor of Science
Dr. rer. biol. vet. = (rerum biologiae veterinariae):
Doctor of Veterinary Biologics

Dr. hum. biol. = (biologiae humanum): Doctor of Human Biology
Dr. phil. = (philosophiae): Doctor of Philosophy
Dr. rer. biol. hum. = (rerum biologiae humanae): Doctor of Human Biology

Engineering

Course / Program	Title	University
Advanced Optical Technologies, Graduate School (SAOT)	Dr.-Ing. Dr. rer. nat. Dr. hum. biol.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Advanced Materials and Processes, Graduate School (GS AMP)	Dr.-Ing. Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Aerospace Graduate School, Munich	Dr.-Ing. Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en/ in cooperation with the Bundeswehr University Munich (UniBw), German Aerospace Center and Bauhaus Luftfahrt (BHL)
BioEngineering, Graduate School (GSB)	Dr.-Ing. Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en
Catalysis at Liquid Interfaces (CLINT) / TRR 14522 ²	Dr.-Ing. Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen (FAU): www.fau.eu Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Cooperative Aperture Synthesis for Tomographic Radar Imaging (KoRaTo) / GRK 2680 ²	Dr.-Ing.	Friedrich-Alexander-Universität Erlangen (FAU): www.fau.eu Universität Ulm: www.uni-ulm.de/en
Cyber Crime and Forensic Computing / GRK 2475 ²	Dr. jur. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Design of Particulate Products / SFB 1411 ²	Dr.-Ing. Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Empathokinästhetische Sensorik (EmpkinS) / SFB 1483 ²	Dr.-Ing. Dr. phil. Dr. rer. biol. hum. Dr. theol.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu in cooperation with Technische Universität Hamburg and Universität Bayreuth
Energy Conversion Systems: From Materials to Devices / GRK 2495 ²	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu ; Nagoya Institute of Technology: www.nitech.ac.jp/eng
FRASCAL: Fracture across Scales / GRK 2423 ²	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
From the fundamentals of biofabrication towards functional tissue models / TRR 2252 ²	Dr. rer. nat. Dr.-Ing. Dr. med.	Universität Würzburg: www.uni-wuerzburg.de/en in cooperation with University of Bayreuth and Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
Internationl Max Planck Research School Physics and Medizine (IMPRS-PM)	Dr. rer. nat. Dr.-Ing. Dr. rer. biol. hum. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
International Doctoral Program: Measuring and Modelling Mountain Glaciers and Ice Caps in a Changing Climate (IDP M ³ OCCA) ³	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu in cooperation with Technical University of Munich (TUM): www.tum.de/en
Molecular Sciences, Graduate School (GSMS)	Dr.-Ing. Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Multimedia Distributed and Pervasive Systems (MDPS)	Dr. rer. nat. Dr. en informatique	University of Passau: www.uni-passau.de/en
Physics of Light, International Max Planck Research School (IMPRS-PL)	Dr.-Ing. Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Plasma Physics (HEPP), International Helmholtz Graduate School	Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en in cooperation with Max-Planck-Institut für Plasmaphysik (IPP) and Universität Greifswald
Port-Hamilton Systems: Modeling, Numerics and Control	Dr.-Ing. Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en in cooperation with Université Lyon 1, University of Groningen

Engineering

Course / Program	Title	University
Science and Engineering (IGSSE), TUM International Graduate School	Dr.-Ing. Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en

Life Sciences

Course / Program	Title	University
3D Tissue Models for Studying Microbial Infections by Human Pathogens / GRK 2157 ² , Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en
Adrenal Research / TRR 205 ²	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en in cooperation with TU Dresden, LMU München
Advanced Materials and Processes, Graduate School (GS AMP)	Dr.-Ing. Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Advanced Optical Technologies, Graduate School (SAOT)	Dr.-Ing. Dr. rer. nat. Dr. hum. biol.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Atherosclerosis – Mechanisms and Networks of Novel Therapeutic Targets / SFB 1123 ²	PhD Dr. rer. nat. Dr. med.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de/en
BioEngineering, Graduate School (GSB)	Dr.-Ing. Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en
Biofabrication / TRR 225 ²	Dr. rer. nat. PhD Dr.-Ing. Dr. med.	University of Würzburg: www.uni-wuerzburg.de/en , in cooperation with University of Bayreuth and Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
Biomedical International Graduate School (BIOMEDIGS)	Dr. rer. physiol.	University of Regensburg: www.ur.de/en
Biopsychology of Pain and Emotions	PhD	University of Bamberg: www.uni-bamberg.de/en , University of Würzburg: www.uni-wuerzburg.de/en ; University of Augsburg: www.uni-augsburg.de/en
Cardiovascular Sciences, Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en
Cell-Fate Decisions in the Immune System / SFB 1054 ²	Dr. rer. nat. PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Checkpoints for Resolution of Inflammation / SFB 1181 ²	Dr. rer. nat. Dr. hum. biol. Dr. med. Dr. med. dent.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Chemical Biology of Epigenetic Modifications / SFB 1309 ²	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Chromatin Dynamics / SFB 1064 ²	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Controlling Graft-versus-Host and Graft-versus-Leukaemia Immune Reactions after Allogenic Stem Cell Transplants / TRR 221 ²	Dr. nat. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Doctoral Program Clinical Pharmacy	Dr. rer. biol. hum.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de/en

Life Sciences

Course / Program	Title	University
Early Career Support RENPRO / SFB 1350 ²	Dr. rer. nat.	University of Regensburg: www.ur.de/en
Ecology and Environmental Research, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Emergence of Life: Exploring Mechanisms with Cross-Disciplinary Experiments / TRR 235 ²	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Empathokinästhetische Sensorik (EmpkinS) / SFB 1483 ²	Dr.-Ing. Dr. phil. Dr. rer. biol. hum. Dr. theol.	Friedrich-Alexander-Universität Erlangen (FAU): www.fau.eu in cooperation with Technische Universität Hamburg and Universität Bayreuth
Environmental Health, Helmholtz Graduate School (HELENA)	Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en in cooperation with the Helmholtz Zentrum München and Ludwig-Maximilians-Universität (LMU) Munich
Fine-Tuners of the Adaptive Immune Response / GRK 2599 ²	Dr. rer. nat. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Gerontology	Dr. phil. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Graduate Program Infection Research on Human Pathogens @MvPI	PhD Dr. rer. nat. Dr. med.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de/en
Graft-versus-Host and Graft-versus-Leukaemia Immune Responses / TRR 221 ²	PhD	University of Regensburg: www.ur.de/en in cooperation with Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU), and University of Würzburg
Immune-Epithelial Communication in Inflammatory Bowel Diseases / TRR 241 ²	Dr. rer. nat. Dr. med. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
ImmunoMicroTope: Microenvironmental, metabolic and microbial signals regulating immune cell-pathogen interactions / GRK 2740 ²	Dr. med. Dr. rer. nat. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen (FAU): www.fau.eu
Immunomodulation, Graduate Program, Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en
Infectious Diseases Research, Graduate Program, Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de
Integrated Analysis of Macromolecular Complexes and Hybrid	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de/en
Interdisciplinary Centre for Clinical Research (IZKF), Graduate School	Dr. rer. nat. Dr. rer. biol. hum. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Interdisciplinary Microplastic Sciences, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
International Health	Dr. rer. nat. PhD Dr. rer. biol. hum.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
International Max Planck Research School Physics and Medicine (IMPRS-PM)	Dr. rer. nat. Dr.-Ing. Dr. rer. biol. hum. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Life@FAU	Dr. rer. nat. Dr. med. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu

Life Sciences

Course / Program	Title	University
Life Science, Munich Graduate School	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Medical Life Science and Technology	PhD	Technical University of Munich (TUM): www.tum.de/en
Medical Research	PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Medical Research – Epidemiology & Public Health	PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Medical Research – Genomic and Molecular Medicine Personalized Approaches to Childhood Health	PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Medical Research – International Health	PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Medical Research – Oral Sciences	PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Medical Research, Graduate School of Life Sciences	Dr. med.	University of Würzburg: www.uni-wuerzburg.de/en
Modulation of graft-versus-host and graft-versus leukaemia immune responses after allogeneic stem cell transplantation / TRR 221 ²	Dr. rer. nat. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Molecular Biosciences, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Molecular Sciences, Graduate School (GSMS)	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Neural mechanisms of (mal)adaptive approach and avoidance behaviour / GRK 2660 ²	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en
Neurobiology of Emotional Dysfunctions / GRK 2174 ²	Dr. rer. nat. Dr. med. Dr. phil.	University of Regensburg: www.ur.de/en
Neurodevelopment and Vulnerability of the Central Nervous System / GRK 2162 ²	Dr. rer. nat. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Neuromodulation, "Retune" / TRR 295 ²	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en in cooperation with Charité, Berlin
New Antiviral Strategies: From Chemotherapy to Immune Intervention / GRK 2504 ²	Dr. rer. nat. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Pathogenic Fungi and Their Human Host: Networks of Interaction – FungiNet / TRR 124 ² , Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en
Peripheral Mechanisms of Pain / KFO 5001 ² , Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en
Pharmaceutical Sciences and Molecular Medicine: Emil Fischer Graduate Programme (EFS)	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Platelets – Molecular, Cellular and Systemic Functions in Health and Disease/ TRR 240 ²	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en in cooperation with University of Tübingen and University of Greifswald

Life Sciences

Course / Program	Title	University
Predictors and Outcomes in Primary Depression Care / GRK 26212	Dr. med. PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Regensburg International Graduate School of Life Sciences (RIGeL)	Dr. rer. nat.	University of Regensburg: www.ur.de/en
RNA Biology, Graduate Research Academy	Dr. rer. nat.	University of Regensburg: www.ur.de/en
RNA med – Future Leaders in RNA-based Medicine ³	Dr. rer. nat.	University of Würzburg: www.uni-wuerzburg.de/en in cooperation with Technical University of Munich (TUM), Ludwig-Maximilians-University Munich and University of Regensburg
Science and Engineering (IGSSE), TUM International Graduate School	Dr. rer. nat. Dr.-Ing.	Technical University of Munich (TUM): www.tum.de/en
Separating GvHD from GvL effects in Allogenic Stem Cell Transplantation, RTG of TRR 221	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en in cooperation with University of Regensburg and Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
Shingolipids in infection, "SPHINGOINF" / GRK 2581 ² , Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en in cooperation with FU Berlin
Systemic Neurosciences, Graduate School / GSC 82 ²	Dr. rer. nat. PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Targeting Therapeutic Windows in Essential Cellular Processes for Tumor Therapy / FOR 2314 ² , Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en
Targets in Toxicology – Deciphering Therapeutic Targets in Lung Toxicology / GRK 2338 ²	PhD Dr. rer. nat. Dr. med. Dr. med. vet.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
The Proteomes that Feed the World ³	Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en
Trafficking of Immune Cells in Inflammation, Development and Disease	PhD Dr. rer. nat. Dr. med. Dr. med. vet.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Translational Medicine	Dr. med. (dent.) sci.	Technical University of Munich (TUM): www.tum.de/en
Understanding Ubiquitylation: From Molecular Mechanisms to Disease / GRK 2243 ² , Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en

Natural Sciences

Course / Program	Title	University
Advanced Materials and Processes, Graduate School (GS AMP)	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Advanced Optical Technologies, Graduate School (SAOT)	Dr. rer. nat. Dr.-Ing. Dr. hum. biol.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Analysis, Algebra and Geometry, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en

Natural Sciences

Course / Program	Title	University
Assembly Controlled Chemical Photocatalysis / SFB 325 ²	Dr. rer. nat.	University of Regensburg: www.ur.de/en , in cooperation with Technical University of Munich (TUM), Ludwig-Maximilians-University Munich (LMU), Leipzig University
BioEngineering, Graduate School (GSB)	Dr. rer. nat. Dr.-Ing.	Technical University of Munich (TUM): www.tum.de/en
Catalysis at Liquid Interfaces (CLINT) / TRR 14522 ²	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen (FAU): www.fau.eu Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Checkpoints for Resolution of Inflammation / SFB 1181 ²	Dr. rer. nat. Dr. hum. biol. Dr. med. Dr. med. dent.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
ChemPharm Graduate School Regensburg	Dr. rer. nat.	University of Regensburg: www.ur.de/en
Complexity and Topology in Quantum Matter, Center of Excellence	Dr. rer. nat.	University of Würzburg: www.uni-wuerzburg.de/en in cooperation with TU Dresden
Computational Mathematics in Science and Engineering, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Computing Science, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
C-PlaNeT: Circular Plastics Network for Training (EU ITN)	PhD Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Deep Earth Volatile Cycles / GRK 2156 ² , BayNAT	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Design of Particulate Products / SFB 1411 ²	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Doctoral programme – Mathematics	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Ecology and Environmental Research, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Emergence of Life: Exploring Mechanisms with Cross-Disciplinary Experiments / TRR 235 ²	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Emergent Relativistic Effects in Condensed Matter / SFB 1277 ²	Dr. rer. nat.	University of Regensburg: www.ur.de/en
Energy Conversion Systems: From Materials to Devices / GRK 2495 ²	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu Nagoya Institute of Technology: www.nitech.ac.jp/eng/
Environmental Health (HELENA), Helmholtz Graduate School	Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en in cooperation with Helmholtz Association and Ludwig-Maximilians-Universität (LMU) Munich
Environmental Humanities and the Ecological Transformation of Society, Rethinking Environment ³	Dr. rer. nat Dr. phil.	University of Augsburg: www.uni-augsburg.de/en in cooperation with Ludwig-Maximilians-Universität (LMU) Munich
Experimental Geosciences, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Fine-Tuners of the Adaptive Immune Response / GRK 2599 ²	Dr. rer. nat. Dr. med. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu

Natural Sciences

Course / Program	Title	University
FRASCAL: Fracture across Scales / GRK 2423 ²	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Gerontology	Dr. phil. Dr. med. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Graduate School Life Science Munich	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Higher Invariants, Interactions between Arithmetic Geometry and Global Analysis / GRK 1085 ²	Dr. rer. nat.	University of Regensburg: www.ur.de/en
Immune-Epithelial Communication in Inflammatory Bowel Diseases / TRR 241 ²	Dr. rer. nat. Dr. med. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
ImmunoMicroTope: Microenvironmental, metabolic and microbial signals regulating immune cell-pathogen interactions / GRK 27402 ²	Dr. rer. nat Dr. med. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
IntComSin: Interfaces, Complex Structures and Singular Limits	Dr. rer. nat.	University of Regensburg: www.ur.de/en in cooperation with Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
Interdisciplinary Centre for Clinical Research (IZKF), Graduate School	Dr. rer. nat Dr. med. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Interdisciplinary Microplastic Sciences, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Interfaces, Complex Structures, and Singular Limits in Continuum Mechanics – Analysis and Numerics (IntComSin) / GRK 2339 ²	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
International Doctoral Program: Measuring and Modelling Mountain Glaciers and Ice Caps in a Changing Climate (IDP M ³ OCCA) ³	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu in cooperation with Technical University of Munich (TUM): www.tum.de/en
International Max Planck Research School Physics and Medicine (IMPRS-PM)	Dr. rer. nat. Dr.-Ing. Dr. med. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Ion Pair Effects in Molecular Reactivities / GRK 2620 ²	Dr. rer. nat.	University of Regensburg: www.ur.de/en
Konrad Zuse School of Excellence in Reliable AI (relAI) ⁵	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Life@FAU	Dr. rer. nat. Dr. med. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Materials Chemistry and Catalysis, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Mathematics, TopMath with Integrated Doctorate Program ³	Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en in cooperation with University of Augsburg: www.uni-augsburg.de/en
Mathematical Modelling, Simulation and Optimization using the Example of Gas Networks / TRR 154 ²	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen (FAU): www.fau.eu
Medical Life Science and Technology (PhD Program)	PhD	Technical University of Munich (TUM): www.tum.de/en

Natural Sciences

Course / Program	Title	University
Modulation of graft-versus-host and graft-versus leukaemia immune responses after allogeneic stem cell transplantation / TRR 221 ²	Dr. rer. nat. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Molecular Biosciences, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Molecular Biradicals: Structure, Properties and Reactivity / GRK 2112 ²	Dr. rer. nat.	University of Würzburg: www.uni-wuerzburg.de/en
Molecular Sciences, Graduate School (GSMS)	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Multimedia Distributed and Pervasive Systems (MDPS)	Dr. rer. nat. Dr. en informatique	University of Passau: www.uni-passau.de/en
Nanoagents for Spatiotemporal Control of Molecular and Cellular Reactions / SFB 1032 ²	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Neurodevelopment and Vulnerability of the Central Nervous System / GRK 2162 ²	Dr. rer. nat. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Novel antiviral approaches from small molecules to immune intervention / RTG 2504 ²	Dr. rer. nat. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Pharmaceutical Sciences and Molecular Medicine: Emil Fischer Graduate Programme (EFS)	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Photo-Electro Catalysis ³	Dr. rer. nat.	University of Regensburg: www.ur.de/en and Technical University of Munich (TUM): www.tum.de/en
Photophysics of Synthetic and Biological Multichromophoric Systems, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Physics Advanced ³	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Physics of Light, International Max Planck Research School (IMPRS-PL)	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu in cooperation with Max-Planck-Institute for the Science of Light (MPL)
Planar Carbon Lattices (PCL) / GRS 2861 ²	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu in cooperation with Technische Universität Dresden
Plasma Physics (HEPP), International Helmholtz Graduate School	Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de in cooperation with Helmholtz Association, Max-Planck-Institut für Plasmaphysik (IPP) and University of Greifswald
Polymer Science, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Quantitative Biosciences, Munich Graduate School / GSC 1006 ²	Dr. rer. nat. PhD Dr. rer. biol. vet.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Quantum Cooperativity of Light and Matter (QuCoLiMa) / TRR 306 ²	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen (FAU): www.fau.eu in cooperation with Johannes Gutenberg University Mainz (JGU), Saarland University (UdS)

Natural Sciences

Course / Program	Title	University
Science and Engineering (IGSSE), TUM International Graduate School	Dr. rer. nat. Dr.-Ing.	Technical University of Munich (TUM): www.tum.de/en
Soft Matter Physics, Nonlinear Dynamics and Solid State Physics, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Space and Society, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Statistics: Theory and Methods for Empirical Modelling	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Topological and Correlated Electronics at Surfaces and Interfaces (ToCoTronics) / SFB 1170 ²	Dr. rer. nat.	University of Würzburg: www.uni-wuerzburg.de/en

Humanities, Business and Social Studies

Course / Program	Title	University
Affective and Cognitive Sciences/Bamberg Graduate School (BaGrACS)	Dr. phil.	University of Bamberg: www.uni-bamberg.de/en
African Legal Studies, BIGSAS	Dr. jur.	University of Bayreuth: www.uni-bayreuth.de/en
African Linguistics, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
African Politics and Development Policy, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Arabic Linguistics, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Arts in Africa, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Bounded Rationality, Heterogeneity and Network Effects	Dr. rer. pol.	University of Bamberg: www.uni-bamberg.de/en
Buddhist Studies	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Business Administration	DBA	SCE and Munich University of Applied Sciences, Heriot Watt University Edinburgh: www.hw.ac.uk/
Business Administration, Bamberg Graduate School (BaGSB)	Dr. rer. pol.	University of Bamberg: www.uni-bamberg.de/en
Business and Economics, Graduate School at the School of Business and Economics	Dr. rer. pol.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Business and Human Rights: Governance Challenges in a Complex World ³	Dr. phil Dr. jur. Dr. rer. soc.	Friedrich-Alexander-Universität Erlangen (FAU): www.fau.eu Universität Bayreuth and University of Würzburg

Humanities, Business and Social Studies

Course / Program	Title	University
Business Innovation (DBI)	PhD'	Strascheg Center for Entrepreneurship (SCE) at Munich University of Applied Sciences in cooperation with Universidade de Aveiro, Portugal: www.ua.pt/
Classical and Ancient Studies (PAW)	Dr. phil. Dr. jur. Dr. theol.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Communicative Construction of Knowledge, BayKULT	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Computer Game Studies, BayKULT	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Cultural Encounters, BayKULT	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Culture and Society, BayKULT	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Culture of Vigilance. Transformations – Spaces – Practices / SFB 1369 ²	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Cyber Crime and Forensic Computing	Dr. jur. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
DBI, Doctor of Business Innovation / PhD	Dr. (PhD)	Strascheg Center for Entrepreneurship (SCE) at Munich University of Applied Sciences: www.sce.de/en in cooperation with Universidade de Aveiro, Portugal www.ua.pt
Development Economics, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Digital and Audiovisual Media, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Digital Humanities; Graduate School of the Humanities	Dr. phil.	University of Würzburg: www.uni-wuerzburg.de/en
Digital Platform Ecosystems / GRK 2720 ²	Dr. rer. pol.	University of Passau: www.uni-passau.de/en
Dimensions of Constructional Space / GRK 2861 ²	Dr. phil.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Distant Worlds: Munich Graduate School for Ancient Studies / GSC 1039 ²	Dr. phil. Dr. theol. Dr. jur.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Doctoral programme – Media, Books and Visual Studies at the IMZ (Interdisciplinary Centre for Media Studies)	Dr. phil.	Friedrich-Alexander-Universität Erlangen (FAU): www.fau.eu
Doctoral Training Program in the Learning Sciences	Dr. phil. PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Doctor of Business Administration (DBA)	DBA	Munich University of Applied Sciences: www.hm.edu/en & Heriot Watt University Edinburgh: www.hw.ac.uk
Doctor of Business Innovation (DBI)	Dr.	Munich University of Applied Sciences: www.hm.edu/en & Universidade de Aveiro, Portugal: www.ua.pt

Humanities, Business and Social Studies

Course / Program	Title	University
East and Southeast European Studies, Graduate School	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de , in cooperation with University of Regensburg
Ecology and Environmental Research, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Economic Geography, BIGSAS	Dr. rer. nat. Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Economics, Bavarian Graduate Program (BGPE)	Dr. rer. pol.	University of Passau: www.uni-passau.de/en in cooperation with other Bavarian universities (LMU, Bayreuth, Bamberg, TUM, Regensburg, Würzburg, FAU, Augsburg)
Economics, Munich Graduate School (MGSE)	Dr. oec. publ.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Economics, BayREW	Dr. rer. pol. Dr. jur. Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Educational Science, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Empathokinästhetische Sensorik (EmpkinS) / SFB 1483 ²	Dr.-Ing. Dr. phil. Dr. rer. hum. biol.	Friedrich-Alexander-Universität Erlangen (FAU): www.fau.eu in cooperation with Technische Universität Hamburg and University of Bayreuth
English Linguistics, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
English and Anglophone Literatures, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Environment and Society	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Environmental Humanities and the Ecological Transformation of Society, Rethinking Environment ³	Dr. phil. Dr. rer. nat.	University of Augsburg: www.uni-augsburg.de/en in cooperation with Ludwig-Maximilians-Universität (LMU) Munich
Environmental Humanities; Graduate School of the Humanities	Dr. phil.	University of Würzburg: www.uni-wuerzburg.de/en
Experimental Geosciences, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Family Matters / GRK 2845 ²	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Fine Arts Colloquium	Dr. phil.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Francophone Literatures, Cultures and Media in Africa, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Gerontology	Dr. phil. Dr. med. Dr. rer. biol. hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Geschichte, History, Histoire, BayKULT	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en

Humanities, Business and Social Studies

Course / Program	Title	University
GradAB - Graduate Programme of the Institute for Employment Research and the School of Business and Economics	Dr. rer. pol.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Historical Studies, Bamberg Graduate School (BaGraHist)	Dr. phil.	University of Bamberg: www.uni-bamberg.de/en
History of Africa, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
International Cultural Studies, Graduate School (GSICS)	Dr. phil. Dr. rer. pol. Dr. rer. soc. Dr. rer. cult.	University of Passau: www.uni-passau.de/en
Islamic Studies, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Joint Doctoral Degree Program Universität Passau – Indian Institute of Technology Madras (India)	Passau: Dr. rer. pol. Madras: PhD	University of Passau: www.uni-passau.de/en
Language & Literature: Class of Culture and History. American History – History of the Americans	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Language & Literature: Class of Language	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Language & Literature: Class of Language Education	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Language & Literature: Class of Literature	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Learning Sciences	Dr. phil. Dr. rer. nat. Dr. med. PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Linguistics, Bamberg Graduate School (BaGL)	Dr. phil.	University of Bamberg: www.uni-bamberg.de/en
Literature and the Public Sphere in Differentiated Contemporary Cultures / GRK 2806 ²	Dr. phil.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Literatures in African Languages, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Literary, Cultural and Media Studies, Bamberg Graduate School (BaGraLCM)	Dr. phil.	University of Bamberg: www.uni-bamberg.de/en
Local self-regulation in the context of weak statehood, "LoSAM" / FOR 2757 ²	Dr. phil. Dr. rer. pol.	University of Würzburg: www.uni-wuerzburg.de/en
Management Science, BayREW	Dr. phil. Dr. rer. pol. Dr. jur.	University of Bayreuth: www.uni-bayreuth.de/en
Media in Africa, BISAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Media Culture and Media Economy, BayKULT	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Medieval and Renaissance Studies	Dr. phil. Dr. theol. Dr. jur.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de

Humanities, Business and Social Studies

Course / Program	Title	University
Medieval Studies, Bamberg Graduate School (BaGraMS)	Dr. phil.	University of Bamberg: www.uni-bamberg.de/en
Modern and Contemporary History (ProMoHist)	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Music and Performance, BayKULT	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Near and Middle Eastern Studies, Bamberg Graduate School (BaGOS)	Dr. phil.	University of Bamberg: www.uni-bamberg.de/en
PhD Program	Dr. phil. PhD	Kempton Business School www.hs-kempton-business-school.de in cooperation with Ulster University
Philology, Practices of Pre-Modern Cultures, Global Perspectives and Future Concepts ³	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de in cooperation with University of Würzburg and Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
Poland and Germany in Modern Europe	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Privacy and Digitalisation / GRK 1681 ²	Dr. phil. Dr. rer. pol. Dr. rer. soc. Dr. rer. cult. Dr. iuris	University of Passau: www.uni-passau.de/en
ProAmHist: American History – History of the Americas	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Professional Sciences (PoPS), Structured PhD Programme	Dr. phil.	University of Bamberg: www.uni-bamberg.de/en in cooperation with Ludwigsburg University of Education
Research on Religions, BayKULT	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Romance and General Linguistics, Bayreuth BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
SeReCo: Semantics, Reasoning and Coordination Technologies	Dr. rer. pol.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Social and Political Geography, BIGSAS	Dr. rer. nat. Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Social Anthropology, Anthropology, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Social Change, Structured PhD Programme	Dr. phil.	University of Bamberg: www.uni-bamberg.de/en in cooperation with Landshut University of Applied Sciences and Katholische Stiftungshochschule München, University of Applied Sciences
Social Geography, BIGSAS	Dr. phil. Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Social Sciences, Bamberg Graduate School (BAGSS)	Dr. phil. Dr. rer. pol.	University of Bamberg: www.uni-bamberg.de/en
Sociology of Africa, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en

Humanities, Business and Social Studies

Course / Program	Title	University
Space and Society, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en
Sports Economics and Sport Science, BayREW	Dr. phil. Dr. rer. pol. Dr. jur.	University of Bayreuth: www.uni-bayreuth.de/en
Study in Religion, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en
Teacher Education, Bamberg Graduate School (BaGOS)	Dr. phil.	University of Bamberg: www.uni-bamberg.de/en
TechnoScienceStudies. Technology in Society	Dr. phil. Dr. rer. pol. Dr. rer. soc. Dr. oec.	Technical University of Munich (TUM): www.tum.de/en
The sentimental in literature, culture and politics / GRK 2726 ²	Dr. phil.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu

Footnotes

¹ Degree awarded by the international partner university.

² Program funded by DFG (Deutsche Forschungsgemeinschaft / German Research Foundation) or by the European Union.

Research activities are integrated into a larger research network and may involve researchers from different chairs, departments or universities.

FOR - Forschergruppe / Research Unit

GRK - (Internationales) Graduiertenkolleg / (International) Research Training Group, RTG

GSC - Graduate School

KFOR - Klinische Forschergruppe / Clinical Research Unit

SFB - Sonderforschungsbereich / Collaborative Research Centre, CRC

SFB/TRR - Sonderforschungsbereich/Transregio / Collaborative Research Centre/Transregio, CRC/TRR

ITN - Marie Skłodowska-Curie Innovative Training Network

³ This program is part of the "Elite Network of Bavaria", offering Elite Graduate Programs and International Doctorate Programs for highly qualified academics (see www.elitenetzwerk.bayern.de/en/home).

⁴ For this doctoral program a tuition fee is payable. For detailed information, please contact the respective university.