



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 (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/
Cyber Crime and Forensic Computing	Dr. jur. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
DBI, Doctor of Business Innovation	Dr. PhD ¹	Strascheg Center for Entrepreneurship (SCE) at Munich University of Applied Sciences in cooperation with Universidade de Aveiro, Portugal: www.ua.pt/
Design of Particulate Products/ SFB 1411 ²	Dr.-Ing. Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Energy Conversion Systems: From Materials to Devices/ GRK 2495	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	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Innovation Management and Entrepreneurship	PhD ¹	Strascheg Center for Entrepreneurship (SCE) at Munich University of Applied Sciences in cooperation with the European Graduate School NITIM (Networks on Information Technologies and Innovation Management): www.sce.de/nitim
In-Situ Microscopy with Electrons, X-rays and Scanning Probes/GRK 1896 ²	Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
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
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 - Training Program ² , Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en/home/
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 – Integrated Research Training Group	PhD Dr. rer. nat. Dr. med.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
B cells: Immunity and Autoimmunity	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
BioEngineering, Graduate School (GSB)	Dr.-Ing. Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de : www.tum.de/en/
Biofabrication/TRR 225 ²	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en/home/ , 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/index.html.en
Biopsychology of Pain and Emotions	PhD	University of Bamberg: www.uni-bamberg.de , University of Würzburg: www.uni-wuerzburg.de/en/home/
Cancer Evolution/ SFB 1243 ² – Integrated Research Training Group)	Dr. rer. nat. PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Cardiovascular Sciences/Training Program, Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en/home/
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 11812 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 (DFG: SFB 1309 – Integrated Research Training Group)	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Chromatin Dynamics (DFG: SFB 1064 - Integrated Research Training Group) 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 Allogeneic Stem Cell Transplants/ TRR 221 ²	Dr. nat. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
DBI, Doctor of Business Innovation	Dr. PhD ¹	Strascheg Center for Entrepreneurship (SCE) at Munich University of Applied Sciences in cooperation with Universidade de Aveiro, Portugal: www.ua.pt/
Early Career Support RENPRO/ SFB1350 ²	PhD	University of Regensburg: www.ur.de/index.html.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/ SFB Transregio 235 – Integrated Research Training Group	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de

Life Sciences

Course / Program	Title	University
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 the Ludwig-Maximilians-Universität (LMU) Munich
Fine-Tuners of the Adaptive Immune Response / GRK 2599 ² , ab 1.1.2021	Dr. rer. nat. Dr. med. Dr. rer. biol.hum.	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
Graft-versus-Host and Graft-versus-Leukaemia Immune Responses/ TRR 221 ²	PhD	University of Regensburg: www.ur.de/index.html in cooperation with Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu and University of Würzburg: www.uni-wuerzburg.de/en/home/
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
Immunomodulation, Graduate Program, Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en/home/
Infectious Diseases Research, Graduate Program, Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en/home/
Integrated Analysis of Macromolecular Complexes and Hybrid	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
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
International Health	Dr. rer. nat. PhD Dr. rer. biol. hum.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
i-Target: Immunotargeting of Cancer (ENB: International Doctoral Program)	PhD Dr. rer. nat. Dr. med.	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
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

Life Sciences

Course / Program	Title	University
Medical Research, Graduate School of Life Sciences	Dr. med.	University of Würzburg: www.uni-wuerzburg.de/en/home/
Medicinal Chemistry of Selective GPCR Ligands/ GRK 1910 ²	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu , University of Regensburg: www.ur.de/index.html.en
Molecular Biosciences, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en/
Molecular Principles of Synthetic Biology (DFG: Research Training Group 2062) ³	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Molecular Sciences, Graduate School (GSMS)	Dr. rer. nat. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Neurobiology of Emotion Dysfunctions/ GSC ²	Dr. rer. nat. Dr. med. Dr. phil.	University of Regensburg: www.ur.de/index.html.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/home/ in cooperation with Charité, Berlin
New Antiviral Strategies: From Chemotherapy to Immune Intervention/ GRK 2504	Dr. rer. nat. Dr. med.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Oral Science	PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
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/home/
Perception in Context and its Neural Basis/ GRK 2175 ²	PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Peripheral Mechanisms of Pain, KFO 5001 ² , Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en/home/
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	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en/home/ in cooperation with University of Tübingen and University of Greifswald
Receptor Dynamics: Emerging Paradigms for Novel Drugs ³	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en/home/ , in cooperation with University of Bayreuth, Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU), and University of Regensburg
Regensburg International Graduate School of Life Sciences (RIGeL) ²	PhD	University of Regensburg: www.ur.de/index.html.en
RNA Biology, Graduate Research Academy	Dr. rer. nat.	University of Regensburg: www.ur.de/index.html.en
Science and Engineering (IGSSE), TUM International Graduate School	Dr. rer. nat. Dr.-Ing.	Technical University of Munich (TUM): www.tum.de/en/

Life Sciences

Course / Program	Title	University
Shingolipids in infection, "SPHINGOINF", GRK 2581 ² , Graduate School of Life Sciences	Dr. rer. nat. PhD	University of Würzburg: www.uni-wuerzburg.de/en/home/ in cooperation with FU Berlin
Systemic Neurosciences, Graduate School (Excellence Initiative: Graduate School 82)	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/home/
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
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/home/

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 Medical Physics for Image-Guided Cancer Therapy/ GRK 2274 ²	Dr. rer. nat. Dr. med.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
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/
B Cells: Immunity and Autoimmunity	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
BioEngineering, Graduate School (GSB)	Dr. -Ing. Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en/
Checkpoints for Resolution of Inflammation/ SFB 11812 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	PhD Dr. rer. nat.	University of Regensburg: www.ur.de/index.html
Complexity and Topology in Quantum Matter, Center of Excellence	Dr. rer. nat.	University of Würzburg: www.uni-wuerzburg.de/en/home/ in cooperation with TU Dresden
Computational Mathematics in Science and Engineering, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en/

Natural Sciences

Course / Program	Title	University
Computing Science, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en/
DBI, Doctor of Business Innovation	Dr. PhD ¹	Strascheg Center for Entrepreneurship (SCE) at Munich University of Applied Sciences in cooperation with Universidade de Aveiro, Portugal: www.ua.pt/
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.-Ing. 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 (DFG: SFB Transregio 235 - Integrated Research Training Group)	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/index.html.en
Energy Conversion Systems: From Materials to Devices/ GRK 2495	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: www.en.uni-muenchen.de
Experimental Geosciences, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en/
Exploring Quantum Matter (ExQM) ³	Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en/ in cooperation with Ludwig-Maximilians-Universität (LMU) Munich, Max-Planck- Institute for of Quantum Optics (MPQ), Walther-Meissner-Institut (WMI) and Walter Schottky Institut (WSI)
Fine-Tuners of the Adaptive Immune Response/ GRK 2599 ² , ab 1.1.2021	Dr. rer. nat. Dr. med. Dr. rer. biol.hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
FRASCAL: Fracture across Scales/ GRK 2423	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
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
IntComSin: Interfaces, Complex Structures and Singular Limits ²	PhD	University of Regensburg: www.ur.de/index.html.en ; FAU Erlangen-Nürnberg: www.fau.eu
Integrated Analysis of Macromolecular Complexes and Hybrid Methods in Genome Biology (DFG: Research Training Group 1721) ²	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
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

Natural Sciences

Course / Program	Title	University
i-Target: Immunotargeting of Cancer	Dr. rer. nat. Dr. rer. biol. hum. Dr. med. PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de in cooperation with Technical University of Munich (TUM) and Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
Life@FAU	Dr. rer. nat. Dr. med. Dr. rer. biol.hum.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Life Science, Munich Graduate School	Dr. rer. nat.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Materials Chemistry and Catalysis, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en/
Mathematical Modelling, Simulation and Optimization using the Example of Gas Networks/ SFB Transregio 1542 ²	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen (FAU): www.fau.eu
Mathematics with Integrated Doctorate Studies (TopMath)	Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en/
Medical Life Science and Technology (PhD Program)	PhD	Technical University of Munich (TUM): www.tum.de/en/
Medicinal Chemistry of Selective GPCR Ligands/ GRK 1910 ²	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu , University of Regensburg: www.ur.de/index.html
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/home/
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 (DFG: SFB 1032 – Integrated Research Training Group) 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
Pharmaceutical Sciences and Molecular Medicine: Emil Fischer Graduate Programme (EFS)	Dr. rer. nat.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
Photophysics of Synthetic and Biological Multichromophoric Systems, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en/
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)
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 Universität Greifswald
Polymer Science, BayNat	Dr. rer. nat.	University of Bayreuth: www.uni-bayreuth.de/en/

Natural Sciences

Course / Program	Title	University
Quantitative Biosciences, Munich Graduate School (Excellence Initiative: Graduate School 1006)	Dr. rer. nat. PhD Dr. rer. biol. vet.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Science and Engineering (IGSSE), TUM International Graduate School	Dr.-Ing. Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en/
Social Geography, BIGSAS	Dr. rer. nat. Dr. phil.	University of Bayreuth: www.uni-bayreuth.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
TopMath: Applied Mathematics (Master) with Integrated Doctorate Program	Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en/
TopMath: Master in Mathematics with Integrated Doctoral Studies ³	Dr. rer. nat.	Technical University of Munich (TUM): www.tum.de/en/
Topological Insulators ³	PhD	University of Würzburg: www.uni-wuerzburg.de/en/home/ , in cooperation with University of Regensburg: www.ur.de/index.html
Topological and Correlated Electronics at Surfaces and Interfaces (ToCoTronics)/SFB 1170 ²	Dr. rer. nat.	University of Würzburg: www.uni-wuerzburg.de/en/home/

Humanities, Business and Social Studies

Course / Program	Title	University
African Linguistics, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en/
Affective and Cognitive Sciences/Bamberg Graduate School (BaGrACS)	Dr. phil.	University of Bamberg: www.uni-bamberg.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/
Behavioral Macroeconomics, Bamberg Doctoral Research Group (BaGBeM)	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

Humanities, Business and Social Studies

Course / Program	Title	University
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
Classical and Ancient Studies (PAW)	Dr. phil. Dr. theol. Dr. jur.	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/
Cultural Encounters, BayKULT	Dr. phil. PhD	University of Bayreuth: www.uni-bayreuth.de/en/
Culture and Society, BayKULT	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en/
Culture and Technology in Africa, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en/
Cyber Crime and Forensic Computing	Dr. jur. Dr.-Ing.	Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU): www.fau.eu
DBI, Doctor of Business Innovation	Dr. PhD ¹	Strascheg Center for Entrepreneurship (SCE) at Munich University of Applied Sciences in cooperation with Universidade de Aveiro, Portugal: www.ua.pt/
Development Sociology, BIGSAS	Dr. rer. nat. Dr.phil.	University of Bayreuth: www.uni-bayreuth.de/en/
Distant Worlds: Munich Graduate School for Ancient Studies (Excellence Initiative: Graduate School 1039)	Dr. phil. Dr. theol. Dr. jur.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Doctoral Training Program in the Learning Sciences	PhD Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
East and Southeast European Studies, Graduate School	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de , University of Regensburg: www.ur.de/index.html.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/Development Economics, BIGSAS	Dr. rer. pol.	University of Bayreuth: www.uni-bayreuth.de/en/
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/
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/

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Course / Program	Title	University
Environment and Society	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Evidence-Based Economics (ENB: International Doctoral Program) ³	Dr. oec. publ.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de in cooperation with Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU), University of Regensburg
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/
Globalization and Literature. Representations, Transformations, Interventions/ GRK 1733 ²	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Global Mobility of Employees (GLOMO), Innovative Training Network (ITN)	Dr. rer. pol.	University of Bamberg: www.uni-bamberg.de/en/
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
Healthcare Economics, BayREW	Dr. rer. pol. Dr. jur. Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en/
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/
IT and Innovation Management ¹	PhD	SCE at Munich University of Applied Sciences: www.sce.de/nitim.html
i-Target: Immunotargeting of cancer ¹	Dr. rer. nat. Dr. rer. biol. hum. Dr. med. PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de in cooperation with Technical University of Munich (TUM) and Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
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

Humanities, Business and Social Studies

Course / Program	Title	University
Language & Literature: Class of Literature	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Law with Focus on Comparative Law, BIGSAS	Dr. jur.	University of Bayreuth: www.uni-bayreuth.de/en/
Learning Sciences	Dr. rer. nat. Dr. phil. 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 Arts, Munich Doctoral Program (MIMESIS) ³	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de in co-operation with Technical University of Munich (TUM) and University of Television and Film Munich (HFF)
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. rer. pol. Dr. phil.	University of Würzburg: www.uni-wuerzburg.de/en/home/
Management Science, BayREW	Dr. rer. pol. Dr. jur. Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en/
Media in Africa, BIGSAS	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
Medieval Studies, Bamberg Graduate School (BaGraMS)	Dr. phil.	University of Bamberg: www.uni-bamberg.de/en/
Microeconomic Determinants of Labor Productivity (DFG: Research Training Group 1928) ²	Dr. oec. publ.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
MIMESIS: Munich Doctoral Program for Literature and the Arts (ENB: International Doctoral Program) ³	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
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/
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

Humanities, Business and Social Studies

Course / Program	Title	University
Professional Sciences (PoPS), Structured PhD Programme	Dr. phil.	University of Bamberg: www.uni-bamberg.de/en/ , in cooperation with Ludwigsburg University of Education
Reason - Scientific Reasoning and Argumentation (ENB: International Doctoral Program) ³	PhD	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de in cooperation with Katholische Stiftungshochschule (KSH) and Technical University of Munich (TUM)
Religious Cultures in 19 th and 20 th Century Europe/ GRK 1542 ²	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de
Religious Studies, BIGSAS	Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en/
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/
Social Anthropology, Cultural 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. rer. nat. Dr. phil.	University of Bayreuth: www.uni-bayreuth.de/en/
Social Sciences, Bamberg Graduate School (BAGSS)	Dr. rer. pol. Dr. phil.	University of Bamberg: www.uni-bamberg.de/en/
Sports Economics and Sport Science, BayREW	Dr. rer. pol. Dr. jur. Dr. phil.	University of Bayreuth: www.uni-bayreuth.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/
Transformations in European Societies, International Doctoral Programme	Dr. phil.	Ludwig-Maximilians-Universität (LMU) Munich: www.en.uni-muenchen.de

Footnotes

1 Degree awarded by the international partner university.

2 Program funded by DFG (Deutsche Forschungsgemeinschaft / German Research Foundation):

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

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

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