

# Facts & Figures 2005

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# Imprint

**Holder**

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<http://www.tugraz.at/>

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**Published by**

Publishing House of Graz University of Technology  
Library of Graz University of Technology  
Technikerstraße 4, A-8010 Graz  
Tel. +43 (0) 316 873-6157  
E-Mail: [verlag@tugraz.at](mailto:verlag@tugraz.at)  
[www.ub.tugraz.at/Verlag/](http://www.ub.tugraz.at/Verlag/)

© 2006 Graz University of Technology

**ISBN-10: 3-902465-38-7**

**ISBN-13: 978-3-902465-38-2**

**ISSN 1815-0500**

**Layout**

Medien & Informationsdesign / ZID; DI Reinhard Plösch  
Steyrergasse 30/I, A-8010 Graz  
Tel. +43 (0) 316 873-7192  
E-Mail: [ploesch@zid.tu-graz.ac.at](mailto:ploesch@zid.tu-graz.ac.at)  
[www.zid.tugraz.at/av/](http://www.zid.tugraz.at/av/)

**Typesetting**

B & R Satzstudio, A.R. Reinprecht  
Kärntner Straße 390b, 8054 Graz  
Tel. +43 (0) 316 251798-0\*  
Fax +43 (0) 316 251798-3

**Printed by**

Medienfabrik Graz  
Steiermärkische Landesdruckerei GmbH  
Hofgasse 15, A-8010 Graz  
Tel. +43 (0) 316 8095-0\*  
Fax +43 (0) 316 8095-35

**Photo**

Graz University of Technology

## Preface

“Intellectual freedom and responsibility”. This motto has become programmatic for Graz University of Technology and its activities along its successful way to being an academic centre of excellence of international importance. In some areas, this ambitious goal has already become reality and there have been solid relationships with industry and economy for a long time. However, top performances in science and research as well as in teaching are only possible by pooling and using all the forces available.

The present new edition of the brochure “Facts and Figures” offers a comprehensive overview of the current level of performance of Graz University of Technology. Apart from important key figures and information on studies, science and co-operations, the historical development and the organisational structure of Graz University of Technology are briefly outlined.

We are pleased about your interest in Graz University of Technology and we thank you for your future commitment to our university.

Hans Sünkel  
Rector of TU Graz

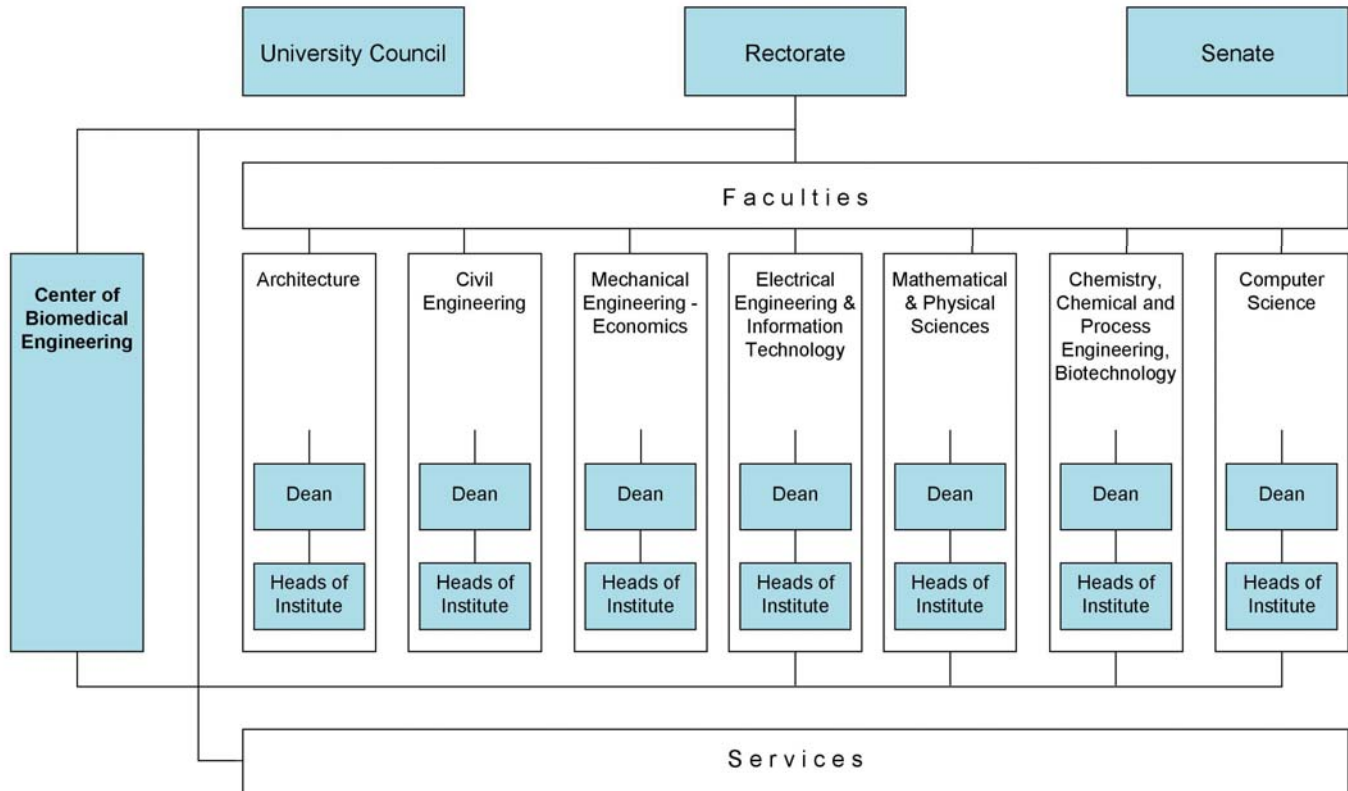
## History of Graz University of Technology

Source: Wohinz (Hrsg.), Die Technik in Graz, 2002

- 1811 The *Joanneum* is founded by the Archduke Johann.
- 1864 The Styrian Government makes it an institution of higher education called "*Technische Hochschule*".
- 1874 The *k.k. Technische Hochschule* is taken over by the state.
- 1901 The *Technische Hochschule* is granted the right to award doctorates.
- 1955 University Organisation Act 1955 (HOG '55). The *Technische Hochschule* is divided into three faculties.
- 1975 University Organisation Act 1975 (UOG '75). The *Technische Hochschule* is divided into five faculties and renamed into *Technische Universität Graz, Erzherzog-Johann-Universität*.
- 1993 University Organisation Act 1993 (UOG '93).
- 1996 The adoption of UOG '93 is completed.
- 2002 University Act 2002 (UG '02).
- 2004 The UG '02 comes into effect. Graz University of Technology is divided into seven faculties that comprise 105 institutes and becomes a legal entity in public law. The University is headed by the Rectorate, the Senate and the University Council.

## Organisation of Graz University of Technology

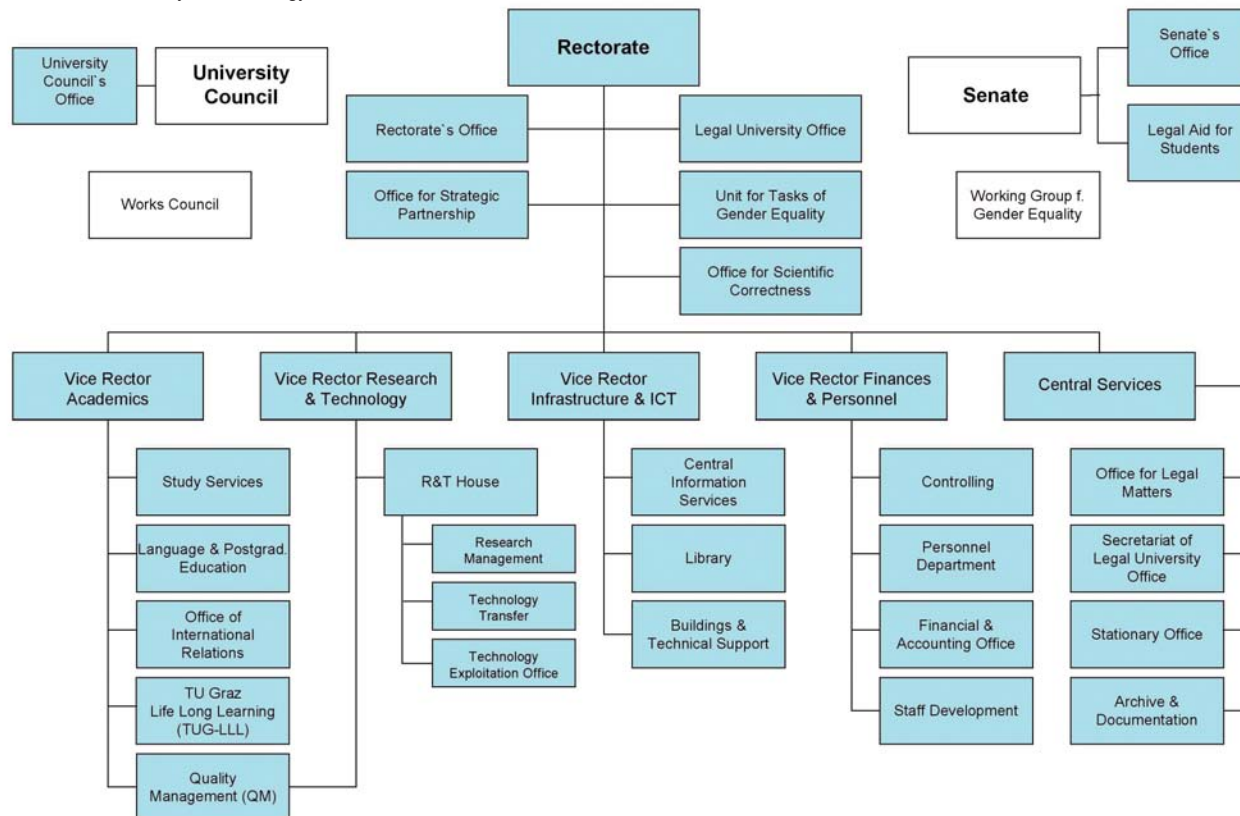
Source: Bulletin of Graz University of Technology, as of 21. 12. 2005, No. 6





## Organisation of Services

Source: Bulletin of Graz University of Technology, as of 2. 11. 2005, No. 3



## Head of University

### Rectorate



#### **Rector**

O.Univ.Prof. DI Dr. Hans Sünkel



#### **Vice Rector for Academics**

O.Univ.Prof. DI Dr. Horst-Hannes Cerjak



#### **Vice Rector for Research & Technology**

Univ.Prof. DI Dr. Wolfgang von der Linden



#### **Vice Rector for Finances & Personnel**

O.Univ.Prof. DI Dr. Ulrich Bauer



#### **Vice Rector for Infrastructure & ICT**

DI Dr. Johann Theurl

## Senate



### Chairman

O.Univ.Prof. DI Dr. Hans Michael Muhr



### 1st Deputy Chairman

O.Univ.Prof. DI Dr. Richard Greiner



### 2nd Deputy Chairman

Ao.Univ.Prof. DI Dr. tit.Univ.Prof. Werner Puff

### Members University Professors

Univ.Prof. DI Dr. Wolfgang Bauer  
 Univ.Prof. Mag. Dr. Wolfgang Ernst  
 O.Univ.Prof. DI Dr. Richard Greiner  
 Vertragsprof. dipl.Architekt ETH Urs Leonhard Hirschberg  
 O.Univ.Prof. DI Dr. Gunter Jürgens  
 Univ.Prof. DI Dr. Gernot Kubin  
 O.Univ.Prof. Dr. Hermann Maurer  
 O.Univ.Prof. DI Dr. Hans Michael Muhr  
 O.Univ.Prof. DI Dr. Klaus Rießberger  
 Vertragsprof. DI Architekt Roger Riewe  
 Univ.Prof. DI Dr. Franz Stelzer  
 O.Univ.Prof. Dr. Robert Tichy  
 O.Univ.Prof. DI Dr. Josef W. Wohinz

### Members Associate Professors and Assistants

Ao.Univ.Prof. DI Dr. Eugen Brenner  
 Ass.Prof. DI Dr. Wolfgang Heusgen  
 Ao.Univ.Prof. DI Dr. tit.Univ.Prof. Werner Puff

### Members Non-academic Staff

Walter Blass  
 Mag. Robert Schröcker

### Students

Michael Bayer	Edith Renöckl
Katharina Fallmann	Martin Strobl
Anna Mayer	Matthias Walser

## University Council



**Chairman**  
Prof. DI Dr.h.c. Helmut List



**Deputy Chairman**  
O.Univ.Prof. DI Dr. Heinz W. Engl

## Members



DI Maximilian Ardelt



Mag. Monika Fehrer



Peter Pakesch



DI Dr. Hans Rinnhofer



Univ.Prof. Mag.  
Dr. Ulrike Leopold-Wildburger

## Mission & Vision

### Mission

“Intellectual freedom and responsibility”

As an important hub of the international technical and natural-scientific research and education network, it is our mission to contribute to the positive development of society and the environment.

### Vision

We are a community of researchers, teachers, students, employees and alumni, working in an atmosphere of intellectual freedom and responsibility. We are committed to the networking of research and teaching on the highest level in global competition with comparable institutions.

- Our findings in research and teaching are a valuable good, which we create in the most efficient way and make use of in commerce and industry.
- We are committed to productivity and its evaluation in an inspiring environment, full of creativity and with equal opportunities for everyone.
- In the fields of research and teaching, our organization is as decentrally structured as possible, and in the fields of services and central operations as centrally as required.
- We create an atmosphere of affiliation, partnership and solidarity of the TU Graz.
- We actively communicate with the public about our achievements and we feel a special commitment to the region we live and work in.

## **VISION Research, Technology & Innovation**

- We conduct research on an internationally recognised level and we promote top performances in individual areas.
- We are a site for knowledge-oriented and applied research and we promote its current knowledge transfer.
- We are a motor for innovation and a think-tank for the creation of new businesses.

## **VISION Teaching & Education**

- We offer research-guided teaching on an internationally recognised level, based on the passing on of common scientific and technical principles, methods and exemplary applications.
- We provide orientation for new students, offer students the best possible support for their development, promote creativity and actively integrate them into teaching and research.
- We are a place of life-long learning for all members.

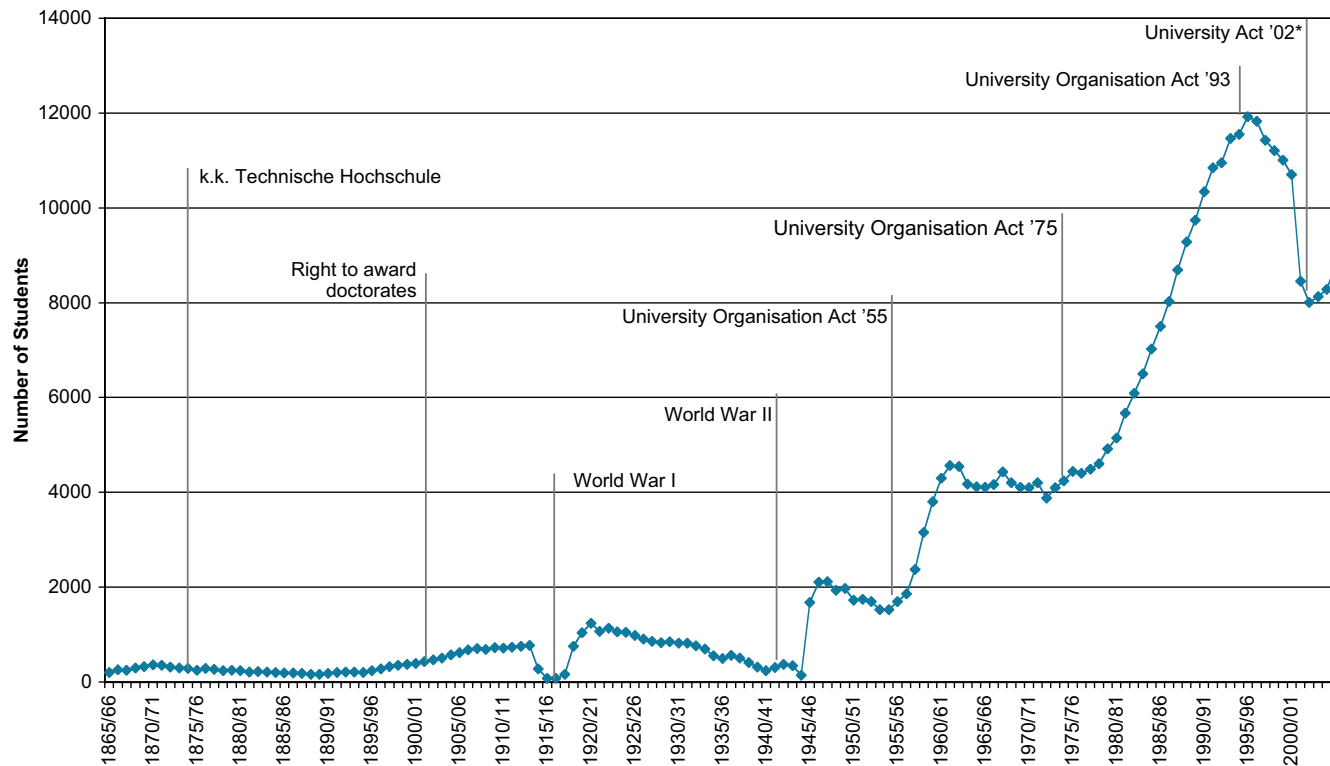
## **VISION Co-operation**

- We are a competent and reliable partner in scientific co-operations with industry, other universities and non-academic research institutions.
- We put our competence at the disposal of the economy and politics and thus provide an important contribution to the development of our region and beyond.
- We make use of the European research area with its institutions and instruments.
- In particular, we see ourselves as a committed partner for the future development of, and co-operating with, the Southern-European region.
- We are looking for internal, interdisciplinary co-operations.



## Development in the Number of Students since Study Year 1965/66

Source: Rectorates' Office, as of 16. 12. 2005



\* Introduction of tuition fees in WS 2001/02

## Study Programmes

### Diploma Programmes

Architecture  
Mechanical Engineering  
Mechanical Engineering – Economics  
Chemical and Process Engineering  
Electrical Engineering  
Electrical Engineering – Sound Engineering  
Technical Chemistry

#### ending

Telematics  
Technical Physics  
Geodesy  
Civil Engineering  
Civil Engineering – Economics  
Technical Mathematics

### Bachelor Programmes

Civil Engineering Sciences  
Geomatics Engineering  
Technical Mathematics  
Technical Physics  
Telematics  
Computer Science  
Software Development – Economy

#### ending

Software Development and Knowledge Management

### Master Programmes

Geomatics Science  
Technical Physics  
Telematics  
Software Development – Economy  
Engineering Geology

#### ending

Software Development and Knowledge Management

### Teacher Training Courses

Physics  
Descriptive Geometry  
Informatics and Informatics Management

### Doctoral Programmes

Engineering Sciences (Dr.techn.)  
Natural Sciences (Dr.rer.nat.)

### University Courses

Molecular Bioengineering  
Nano Technology and Nano Analytics  
Paper & Pulp Technology  
Space Sciences



## Regular Enrolled Students and Beginners Study Years 2001/02 to 2005/06

Source: Central Information Services, Student Statistics, as of 16. 12. 2005

	2001/02	2002/03	2003/04	2004/05	2005/06
<b>Regular enrolled students</b>	8.452	8.008	8.128	8.279	8.780
of which women (%)	19,7%	18,9%	18,9%	18,7%	18,9%
of which foreigners (%)	10,8%	12,2%	13,8%	13,9%	14,6%
<b>Beginners</b>	951	1.112	1.129	1.172	1.251
of which women (%)	26,2%	23,2%	22,8%	21,8%	22,9%
of which foreigners (%)	18,6%	18,1%	21,0%	19,3%	20,2%

## Graduates Study Years 2000/01 to 2004/05

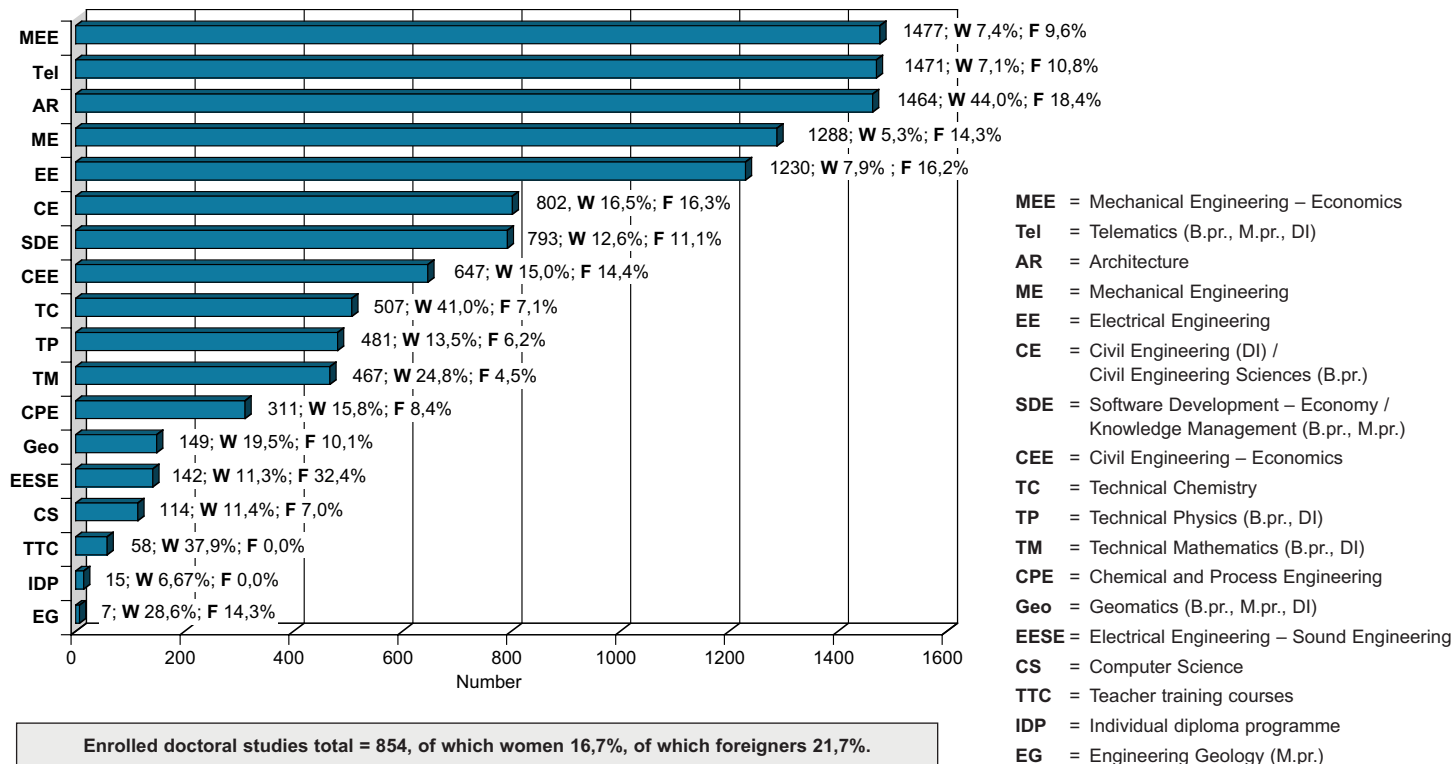
Source: Central Information Services, Student Statistics, as of 16. 12. 2005

	2000/01	2001/02	2002/03	2003/04	2004/05
<b>Diploma Degrees*</b>	966	638	754	660	469
of which women (%)	17,0%	16,1%	17,4%	20,2%	22,2%
of which foreigners (%)	6,3%	6,0%	6,1%	5,5%	8,1%
<b>Bachelor Degrees</b>	40	57	138	176	
of which women (%)		0,0%	3,5%	5,8%	9,1%
of which foreigners (%)		5,0%	5,3%	6,5%	8,0%
<b>Master Degrees</b>		2	16	37	75
of which women (%)		0,0%	0,0%	5,4%	4,0%
of which foreigners (%)		0,0%	18,8%	5,4%	9,3%
<b>Doctoral Degrees</b>	122	110	126	125	143
of which women (%)	10,7%	16,4%	12,7%	15,2%	21,0%
of which foreigners (%)	15,6%	15,5%	10,3%	12,8%	18,2%

\* incl. Teacher training courses

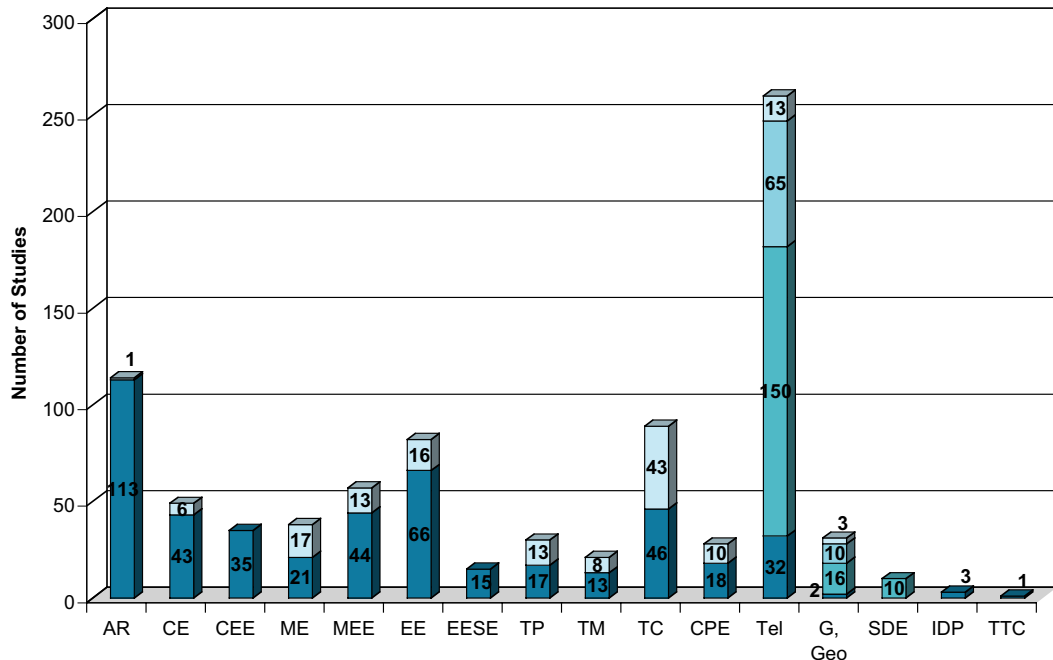
## Enrolled Studies in WS 2005/06, of which Women (W) and Foreigners (F) in Percent

Source: Central Information Services, Student Statistics, as of 16. 12. 2005



## Completed Studies in Study Year 2004/05

Source: Central Information Services, Student Statistics, as of 16. 12. 2005



- AR** = Architecture
- CE** = Civil Engineering
- CEE** = Civil Engineering – Economics
- ME** = Mechanical Engineering
- MEE** = Mechanical Engineering – Economics
- EE** = Electrical Engineering
- EESE** = Electrical Engineering – Sound Engineering
- TP** = Technical Physics
- TM** = Technical Mathematics
- TC** = Technical Chemistry
- CPE** = Chemical and Process Engineering
- Tel** = Telematics
- G** = Geodesy (DI), Geomatics
- Geo** (B.pr., M.pr.)
- SDE** = Software Development and Knowledge Management
- IDP** = Individual diploma programme
- TTC** = Teacher training courses

Diploma degrees

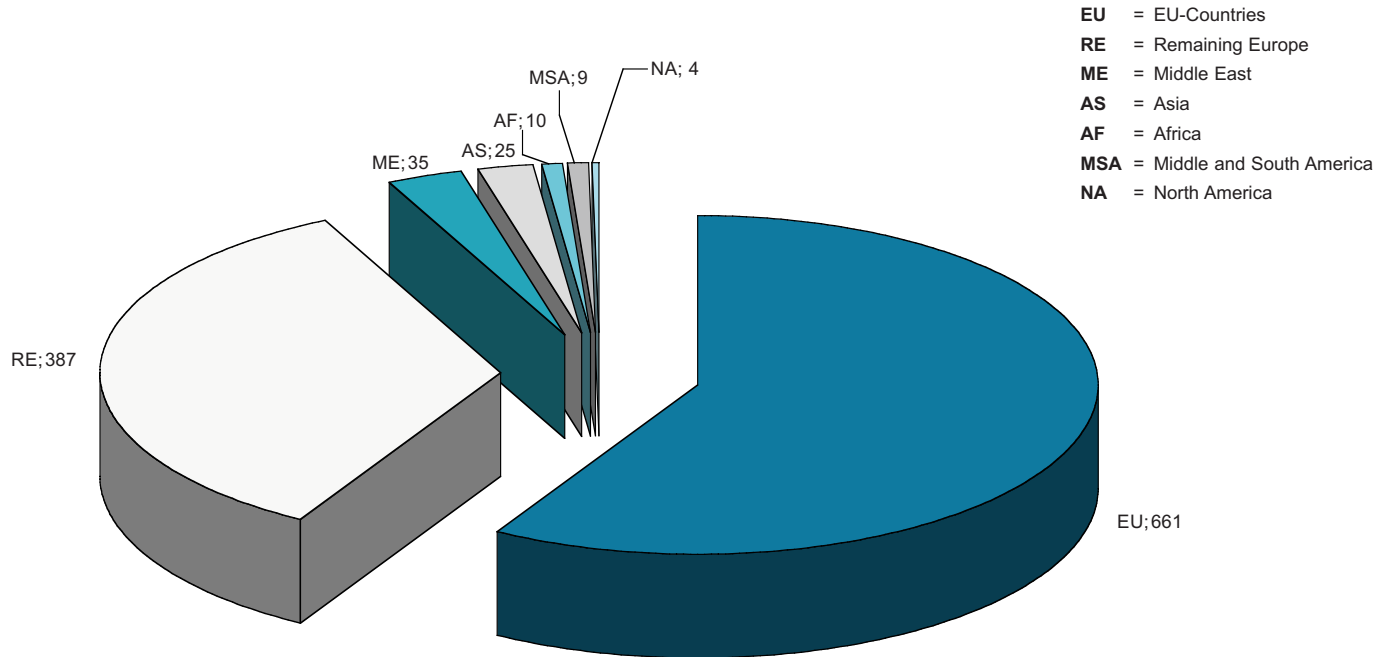
Bachelor degrees

Master degrees

Doctoral degrees

## Foreign Students in WS 2005/06

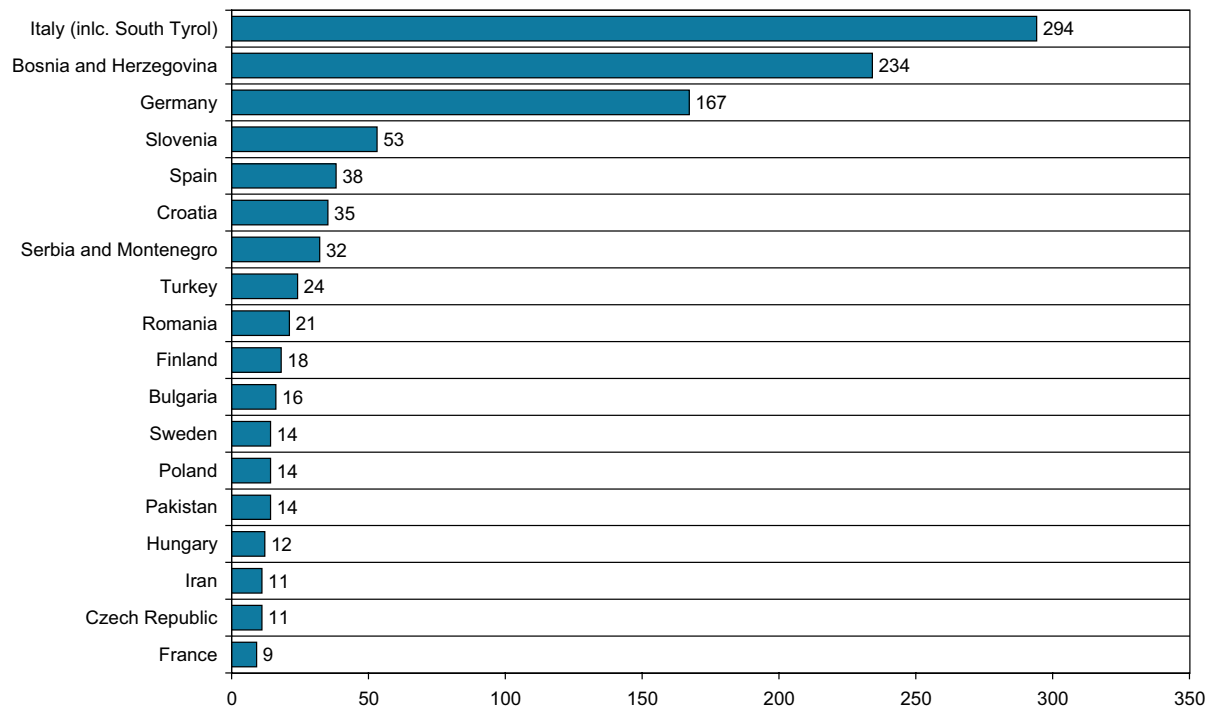
Source: Central Information Services, as of 4. 1. 2006





## Nationalities of Foreign Students in WS 2005/06

Source: Central Information Services, as of 4. 1. 2006

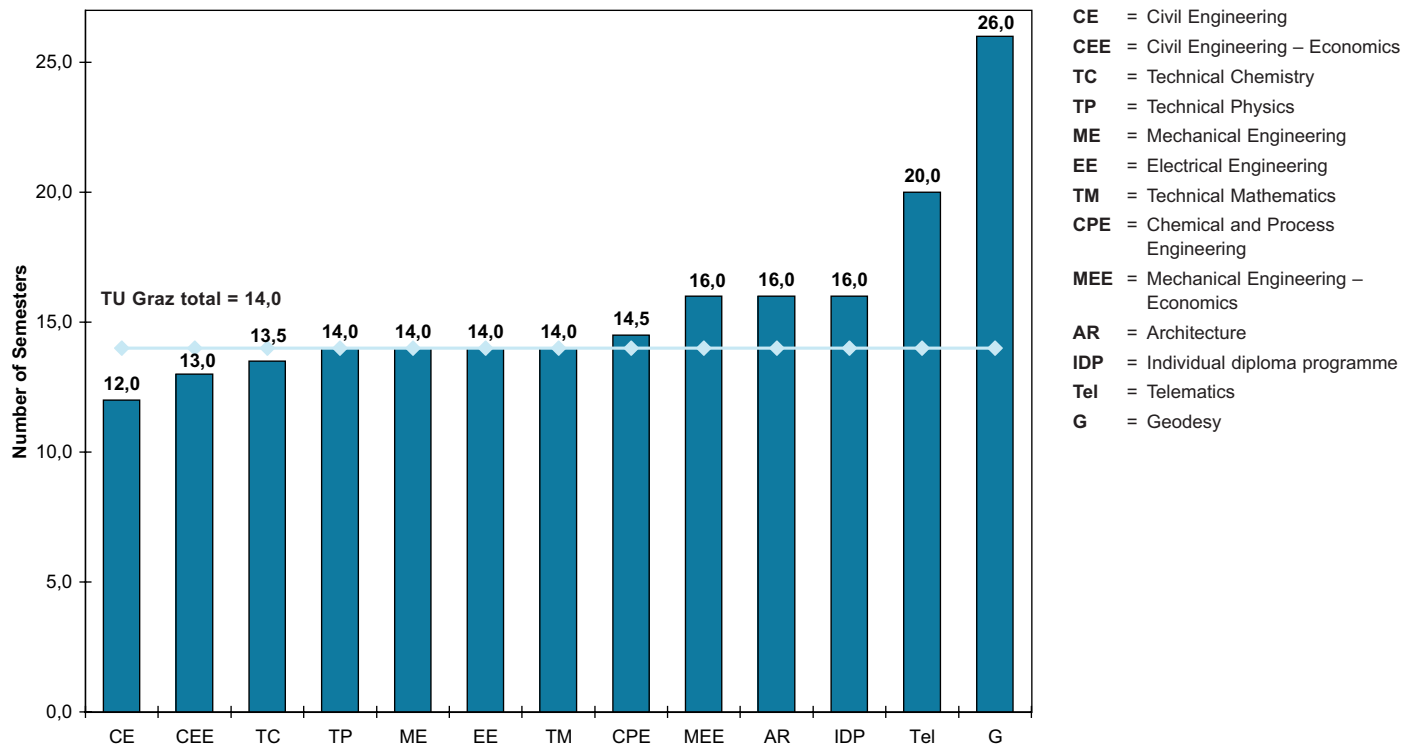


from further 43 countries (114 students)

Number of Students

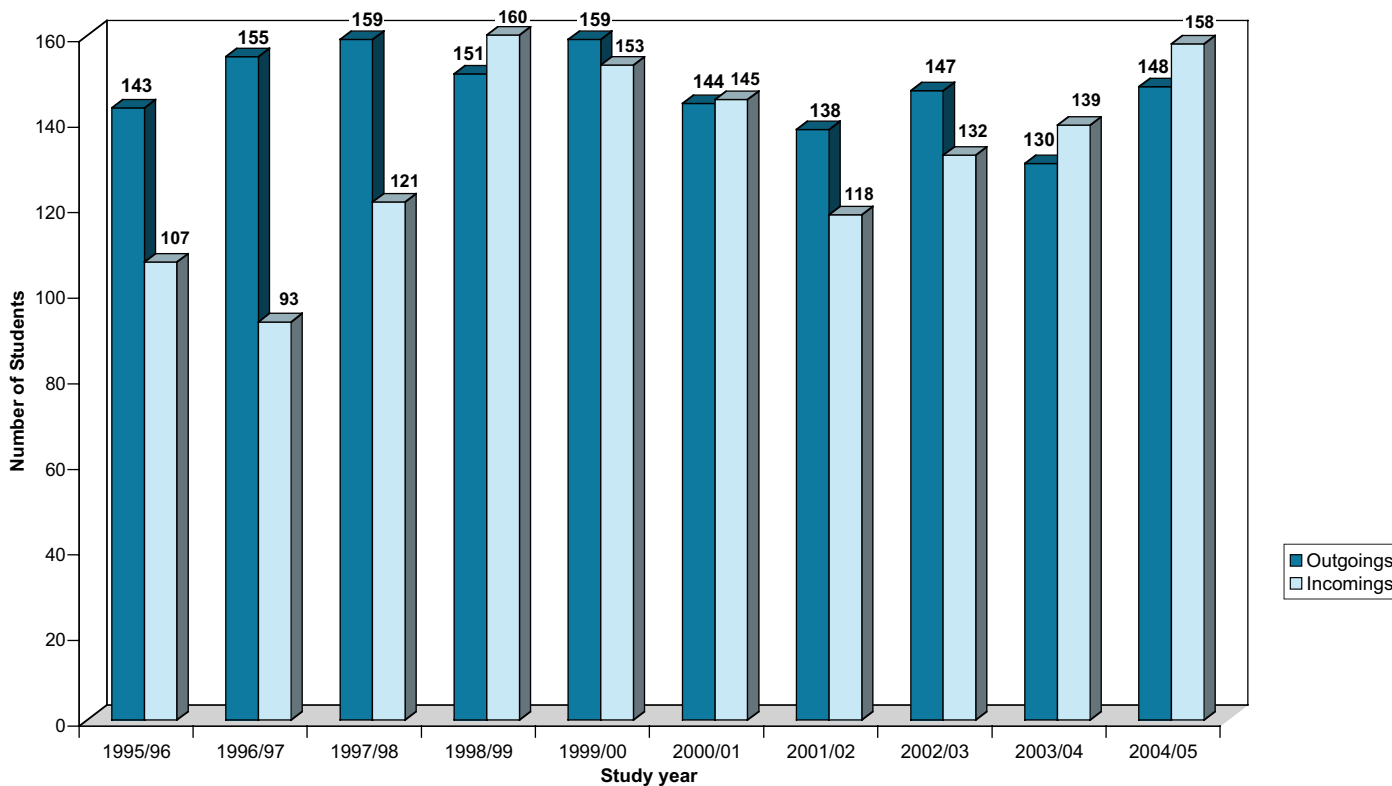
## Mean Duration of Diploma Studies in Study Year 2004/05 (Median)

Source: Central Information Services, as of 24. 11. 2005



## ERASMUS – Development of Outgoings and Incomings

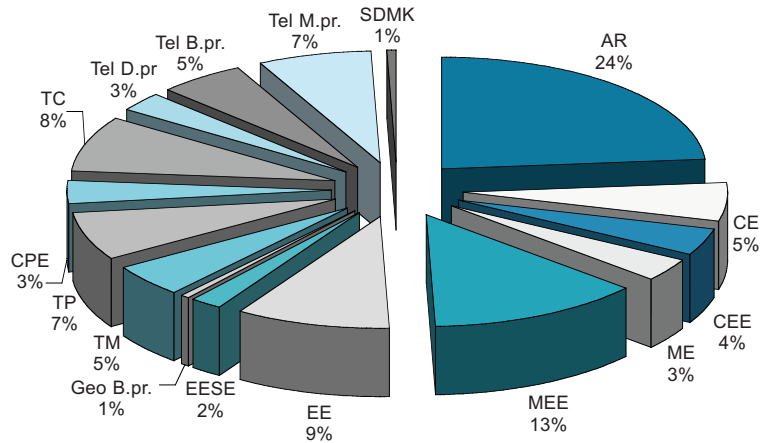
Source: Office of International Relations, as of 16. 1. 2006



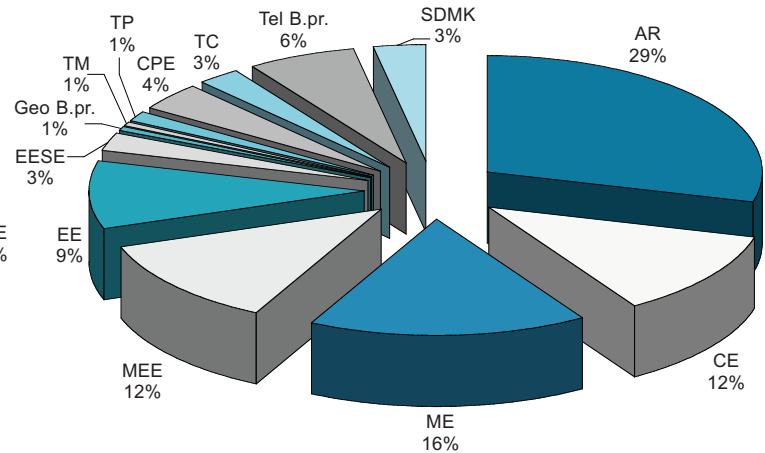
## ERASMUS – Outgoings and Incomings by Study Programmes in Study Year 2004/05

Source: Office of International Relations, as of 16. 1. 2006

**Outgoings**



**Incomings**



**AR** = Architecture  
**CE** = Civil Engineering  
**CEE** = Civil Engineering – Economics  
**ME** = Mechanical Engineering  
**MEE** = Mechanical Engineering – Economics  
**CPE** = Chemical and Process Engineering  
**EE** = Electrical Engineering  
**EESE** = Electrical Engineering – Sound Engineering

**Tel D.pr.** = Telematics (D.pr.)  
**Tel B.pr.** = Telematics (B.pr.)  
**Tel M.pr.** = Telematics (M.pr.)  
**TM** = Technical Mathematics  
**TP** = Technical Physics  
**TC** = Technical Chemistry  
**SDMK** = Software Development and Knowledge Management  
**Geo B.pr.** = Geomatics Engineering (B.pr.)



## Staff in Full Time Equivalents 2005

Source: Central Information Services, as of 31. 12. 2005

	Men	Women	Total
<b>Academic Staff</b>	<b>801,14</b>	<b>105,12</b>	<b>906,26</b>
of which professors	98,60	2,20	100,80
of which associate professors	121,04	3,00	124,04
of which assistants*	295,75	50,95	346,70
of which project staff	285,75	48,97	334,72
<b>Non-academic Staff</b>	<b>305,45</b>	<b>312,13</b>	<b>617,58</b>
of which civil servants	53,75	55,57	109,32
of which contractual employees	195,07	202,17	397,24
of which employees**	23,80	34,95	58,75
of which project staff	32,83	19,44	52,27
<b>TU Graz total</b>	<b>1.106,59</b>	<b>417,25</b>	<b>1.523,84</b>

\* incl. staff scientists; academic coworkers in education; teachers employed as federal civil servants; civil servants, contractual employees and employees in scientific employment

\*\* incl. apprentices

## Internal and External Teaching Staff in Study Year 2004/05

Source: TUGonline, LV-Abteilung, as of 11. 1. 2006

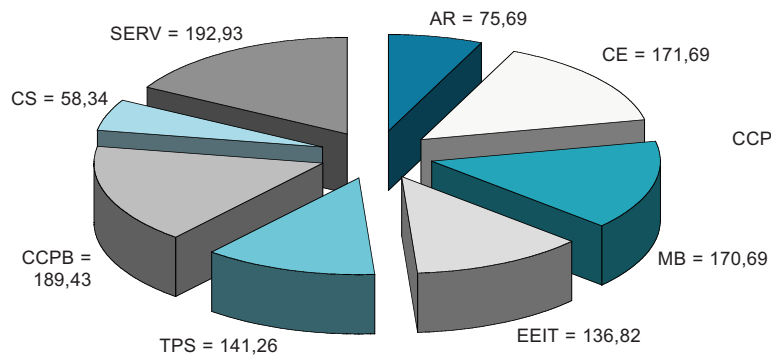
	Internal Teaching Staff*	External Teaching Staff*
<b>Teaching Staff total</b>	<b>546</b>	<b>406</b>
of which professors	19%	15%
of which associate professors	24%	11%
of which assistants	57%	–
of which adjunct faculties	–	74%

\* Persons with contracts to teach and with delivered courses

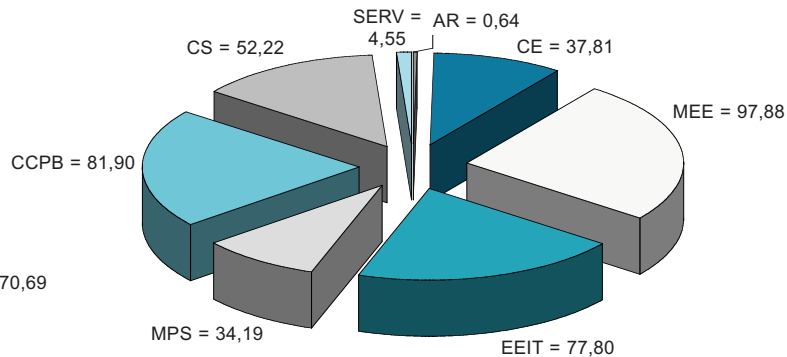
## Staff by Faculties and Services 2005

Source: Central Information Services, as of 31. 12. 2005

**Permanent Staff 2005 in Full Time Equivalents**  
(Total = 1136,85)



**Staff for Contractual Work 2005 in Full Time Equivalents**  
(Total = 386,99)

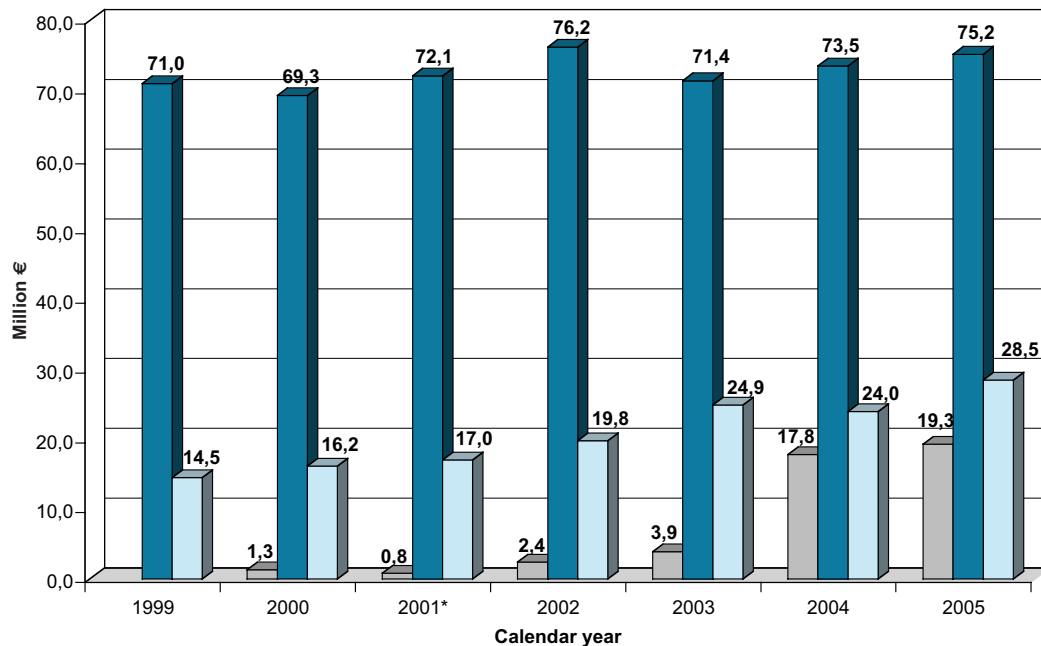


### Faculties under UG '02:

- AR** = Architecture
- CE** = Civil Engineering
- MEE** = Mechanical Engineering – Economics
- EEIT** = Electrical Engineering and Information Technology
- MPS** = Mathematical and Physical Sciences
- CCPB** = Chemistry, Chemical- and Process Engineering, Biotechnology
- CS** = Computer Science
- SERV** = Services

## Development of Budget: Basic Federal Budget and Income from Contractual Work

Source: Controlling, as of 29. 3. 2006



■ Additional public budgets ■ Basic budget incl. tuition fees, university billion ■ Income from contractual work

### Level of university billion, tuition fees:

**2001:** Univ. bill.: 2,0 Mio. €

**2002:** Univ. bill.: 5,1 Mio. €

**2003:** Tuition fees: 5,0 Mio. €

**2004:** Tuition fees: 5,0 Mio. €

**2005:** Tuition fees: 5,5 Mio. €

### Distribution of additional public budgets:

**2000:** Study centre/Informatics: 1,3 Mio. €

**2001:** Civil engineering centre: 0,8 Mio. €

**2002:** RFT: 1,7 Mio. €  
Civil engineering centre: 0,7 Mio. €

**2003:** RFT: 2,5 Mio. €  
Civil engineering centre: 0,7 Mio. €  
Implementation UG '02: 0,7 Mio. €

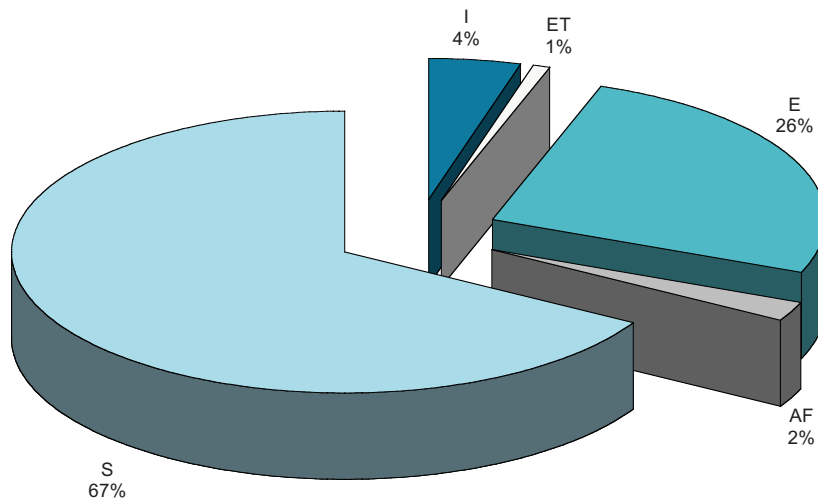
**2004:** RFT: 1,4 Mio. €  
Implementation UG '02: 0,5 Mio. €  
Contr. to the pension scheme: 5,2 Mio. €  
BIG rents: 10,7 Mio. €

**2005:** RFT: 2,1 Mio. €  
Implementation UG '02: 0,2 Mio. €  
Contr. to the pension scheme: 5,2 Mio. €  
BIG rents: 10,7 Mio. €  
§ 141, Nawi: 1,1 Mio. €  
Increase of wages: 1,3 Mio. €

\* Introduction of tuition fees im WS 2001/02

## Distribution of Federal Budget 2005

Source: Financial and Accounting Office, as of 24. 1. 2006



**S** = Staff (teaching, research, services)

**I** = Investments

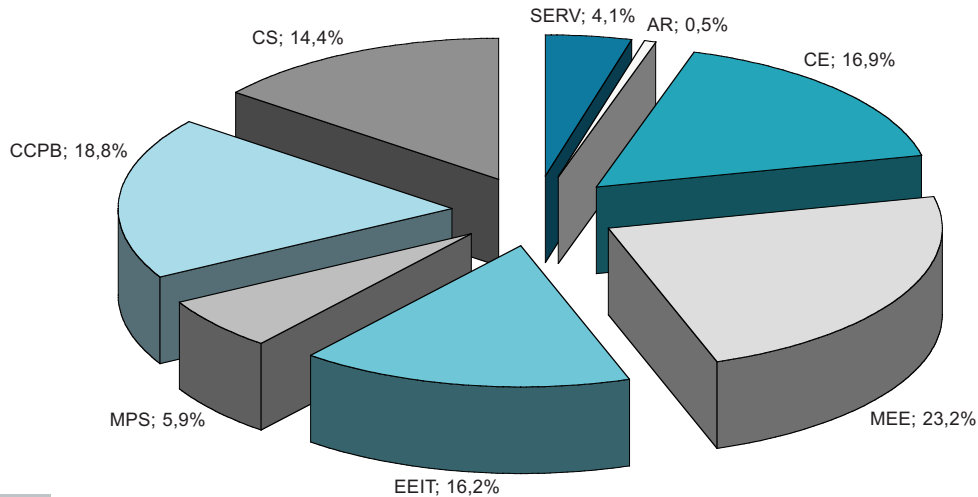
**ET** = External adjunct faculties and visiting professors

**E** = Expenditures

**AF** = Appropriated funds

## Income from Contractual Work 2005 by Faculties and Services

Source: Controlling, as of 29. 3. 2006



Total = 28,5 Mio. €

### Faculties under UG '02:

**AR** = Architecture

**CE** = Civil Engineering

**MEE** = Mechanical Engineering – Economics

**EEIT** = Electrical Engineering and Information Technology

**MPS** = Mathematical and Physical Sciences

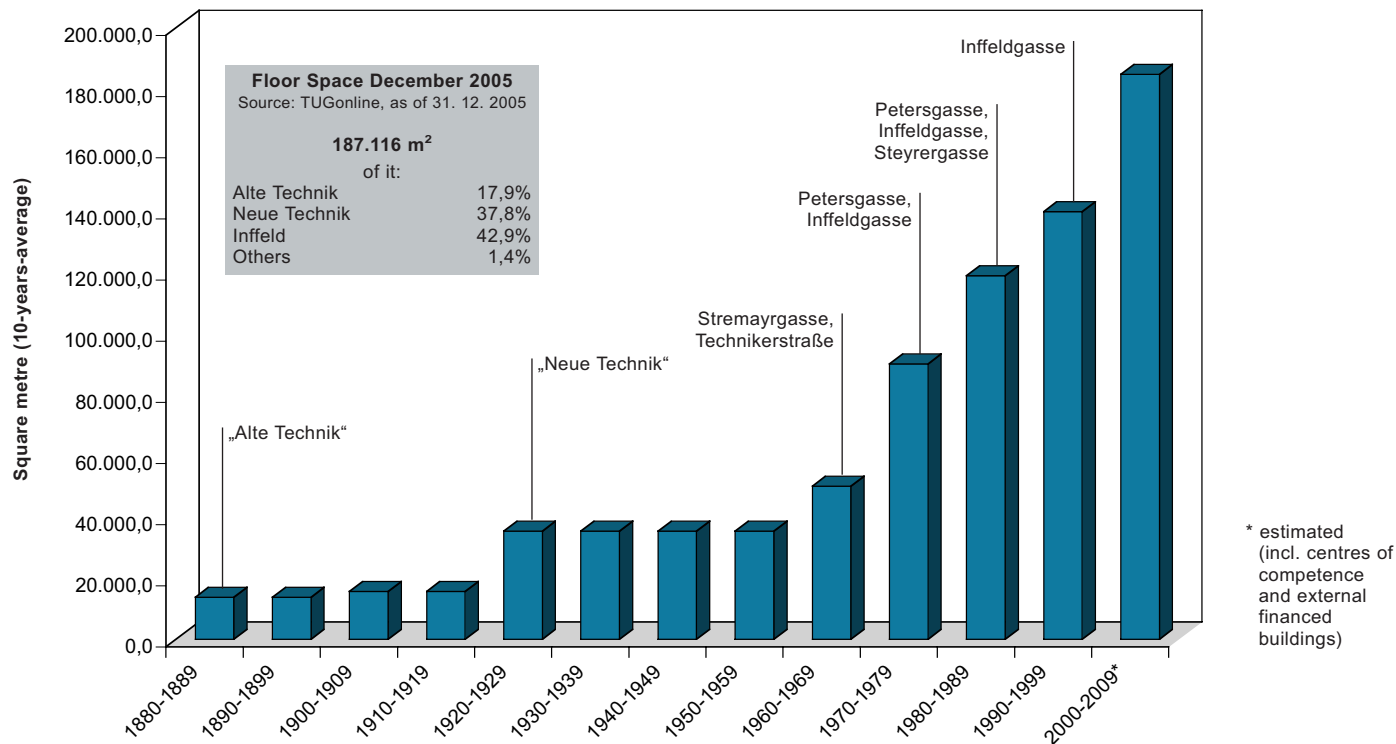
**CCPB** = Chemistry, Chemical- and Process Engineering, Biotechnology

**CS** = Computer Science

**SERV** = Services

## Development in Floor Space since 1880

Source: Vice Rector for Infrastructure and ICT, as of 31. 12. 2005



# The Scientific Fingerprint of Graz University of Technology

Source: Entwicklungsplan of Graz University of Technology 2005

**Key Research Areas:** Technische Biowissenschaften  
inkl. Humanmedizinische Technik  
**Center of Competence:** AB  
**CD Laboratory:** Genomik und Bioinformation

**Human- & Biotechnology**

**Production Science & Management**

**Frank Stronach Institute (FSI)**  
**Centers / Networks of Competence:** VIF, JOIN

**Design & Construction Science**

**Key Research Areas:** Fortschrittliche Bautechnologie  
u. innovative Geotechnik  
Integrierte Gebäudetechnik  
Design Science in Architecture  
**Center of Competence:** Holz Bau

**Transportation Science  
(Automobil, Rail, Aviation,  
Space)**

**Key Research Area:** Fahrzeugtechnik, -antriebe u. Fahrzeugsicherheit  
**Centers / Networks of Competence:** VIF, ACC  
**CD Laboratories:** Motor- und Fahrzeugakustik  
Thermodynamik der Kolbenmaschinen  
Thermodynamik des Verbrennungsmotors  
Kraftfahrzeugmesstechnik

**Advanced Materials Science**

**Key Research Area:** Advanced Materials Science  
**Centers / Networks of Competence:** MCL, KnetMET, PCCL  
**CD Laboratories:** Neuartige Funktionalisierte Materialien  
Brennstoffzellensysteme mit flüssigen  
Elektrolyten



**7 Fields of Excellence**

**Research & Education**

**Key Research Areas:** Energiesysteme und Analgentechnik  
Verfahrens- und Umwelttechnik  
**Center of Competence:** ABC

**Sustainable Systems  
(Energy, Environment,  
Process Engineering)**

**Key Research Areas:** Smart Systems for a Mobile Society  
Algorithmen und Mathematische Modellierung  
Sichere verteilte intelligente Multimedia-Prozesse und  
Strukturen (Security) inkl. Computergraphik und  
Bildverarbeitung  
**Centers / Networks of Competence:** VRVis, VIF, Know-Center, ACC  
**CD Laboratory:** Nichtlineare Signalverarbeitung

**Information- & Communication  
Technologies (ICT), Scientific  
Computing**

## Research Sponsored by the FWF

Source: TUGonline, as of 31. 12. 2005

### Special Research Areas Sponsored by the FWF (SFB)

Electroactive Materials

Contact: O.Univ.Prof. DI.Dr. J. Besenhard

### Joint Research Programmes Sponsored by the FWF (FSP)

Cognitive Vision S91

Contact: Vertr.Prof. DI Dr. H. Bischof / O.Univ.Prof. DI Dr. W. Maass

The Cultural History of the Western Himalaya from the 10th  
to the 14th Century

Contact: Ao.Univ.Prof. DI Dr. H. Neuwirth

Gas-Surface Interactions: Electronic Structure, Dynamics and Reactivity

Contact: Ao.Univ.Prof. DI Dr. A. Winkler

Nanosciences on Surfaces

Contact: Ao.Univ.Prof. DI Dr. A. Winkler

Number-Theoretic Algorithms and their Applications

Contact: O.Univ.Prof. Dr. R. Tichy

Industrial Geometry

Contact: DI Dr. O. Aichholzer

### START-Programmes

Chiral Polysilanes

Contact: Ao.Univ.Prof. DI Dr. Ch. Marschner

Physical Modeling and Computer Simulation of Balloon Angioplasty  
Lipases in Liver and Bile

Contact: Ao.Univ.Prof. DI Dr. G. Holzapfel

### Doctoral Programme (DK)

Molecular Enzymology; PhD Project 2: Molecular Identification  
of Lipases in Liver and Bile

Contact: Ao.Univ.Prof. Dr. A. Hermetter



## Christian-Doppler Laboratories

Source: Tätigkeitsbericht of Graz University of Technology, as of 31. 12. 2005

Engine- and Vehicle Acoustics  
 Fuel Cell Systems with Liquid Electrolytes  
 Nonlinear Signal Processing  
 Automotive Measurement Research  
 Advanced Functional Materials  
 Genomics and Bioinformatics  
 Thermodynamics of Piston Engines

Head: Ao.Univ.Prof. DI Dr. H. Priebsch  
 Head: DI Dr. V. Hacker; [www.ictas.tu-graz.ac.at](http://www.ictas.tu-graz.ac.at)  
 Head: Univ.Prof. DI Dr. G. Kubin; <http://spsc.inw.tugraz.at/cdInsp>  
 Head: Univ.Prof. DI Dr. G. Brasseur; [www.emt.tugraz.at](http://www.emt.tugraz.at)  
 Head: DI Dr. E.J.W. List; [www.if.tugraz.at/cdl](http://www.if.tugraz.at/cdl)  
 Head: Ao.Univ.Prof. DI Dr. Z. Trajanoski; <http://genome.tugraz.at>  
 Head: Ao.Univ.Prof. DI Dr. R. Almbauer

## Key Research Areas of Graz University of Technology (FoSP)

Source: TUGonline, Stand: 27. 1. 2006

Smart Systems for a Mobile Society

Co-ordinators: Univ.Prof. DI Dr. O. Koudelka / Univ.Prof. DI Dr. G. Kubin /  
 O.Univ.Prof. DI Dr. W. Maass

Algorithms and Mathematical Modelling

Co-ordinator: Univ.Prof. DI Dr. W. Woess

Advanced Materials Science

Co-ordinators: Univ.Prof. DI Dr. F. Stelzer / Univ.Prof. DI Dr. R. Würschum

Life Science Technology

Co-ordinators: Ao.Univ.Prof. DI Dr. tit.Univ.Prof. G. Daum / Univ.Prof. DI Dr. H. Schwab

Process and Environmental Technology

Co-ordinators: Ao.Univ.Prof. DI Dr. tit.Univ.Prof. G. Braunnegg / Ao.Univ.Prof. DI Dr M. Narodoslawsky

Energysystems and -technology

Co-ordinators: DI Dr. U. Hohenwarter / O.Univ.Prof. DI Dr H.M. Muhr

Vehicle Technology, Propulsion Systems  
 and Vehicle Safety

Co-ordinators: Univ.Prof. DI Dr. H. Eichlseder / Univ.Prof. DI Dr. W. Hirschberg

Integrated Building Design

Co-ordinators: Ao.Univ.Prof. Mag. DI DDr. P. Kautsch / Ao.Univ.Prof. DI Dr. W. Streicher

Advanced Construction Technology and

Co-ordinators: Univ.Prof. DI Dr. G. Schickhofer / O.Univ.Prof. DI Dr. W. Schubert

Innovative Geotechnical Engineering

Design Science in Architecture

Co-ordinators: Vert.prof. BSc CEng. MCIBSE B. Cody / Vertr.prof. Mag. Dr. S. Hauser

Secure Distributed Intelligent Multimedia

Co-ordinators: O.Univ.Prof. Dr. H. Maurer / Ao.Univ.Prof. DI Dr. K. Ch. Posch

Processes and Structures for the e-University

## EU-Projects in 2005

Source: TUGonline, CORDIS, as of 28. 1. 2006

EU-projects in execution (5th, 6th framework): **54**  
of which co-ordinated at Graz University of Technology: **7**

### EU-Projects Co-ordinated at Graz University of Technology

#### Technology Innovation in Underground Construction (TUNCONSTRUCT)

Co-ordination: Univ.Prof. DI Dr. G. Beer  
Institute of Structural Analysis

#### Agressive Intermediate Duct Aerodynamics for Competitive and Environmentally Friendly Jet Engines (AIDA)

Co-ordination: Univ.Prof. DI Dr. F. Heitmeir  
Institute of Thermal Turbomachinery and Machine Dynamics

#### Ash and Aerosol Related Problems in Biomass Combustion and Co-firing (BIOASH)

Co-ordination: Univ.DoZ. DI Dr. I. Obernberger  
Institute of Resource Efficient and Sustainable Systems

#### Imaging with Neutral Atoms (INA)

Co-ordination: Cand.Scient. PhD. B. Holst  
Institute of Experimental Physics

#### Low Shrinkage Materials for Dental and Ophthalmic Applications (DENTALOPT)

Co-ordination: Univ.Prof. DI Dr. F. Stelzer  
Institute of Chemistry and Technology of Organic Materials      Finished: 31. 8. 2005

#### Biotechnical Quality Improvement of Synthetic Textile Fibres (BIOSYNTEX)

Co-ordination: Ao.Univ.Prof. DI Dr. G. Gübitz  
Institute of Environmental Biotechnology      Finished: 30. 9. 2005

#### Improvement of Rollover Safety for Passenger Vehicles (ROLLOVER)

Co-ordination: Univ.Prof. DI Dr. H. Steffan  
Institute of Mechanics and Mechanisms      Finished: 30. 6. 2005

## Shares of Graz University of Technology in Companies

Source: Vice Rector for Infrastructure and ICT, as of 31. 12. 2005

### **Science Park Graz GmbH**

Management: DI Dr. K. Tangemann

[www.sciencepark.tugraz.at](http://www.sciencepark.tugraz.at)

### **UIZ – Environment and Innovation Centre Judenburg GmbH**

Management: Ing. J. Reitbauer

[www.uzi.at](http://www.uzi.at)

### **Institute of High Voltage Technology and System Management GmbH**

Management: O.Univ.Prof. DI Dr. H.M. Muhr

[www.hspt.tugraz.at](http://www.hspt.tugraz.at)

### **HyCentA Research GmbH**

Management: DI Dr. M. Klell

[www.hycenta.tugraz.at](http://www.hycenta.tugraz.at)

## Centres of Competence

### **Shares in K-ind Centres of Competence**

#### **Acoustics Competence Centre Graz GmbH (ACC)**

Head: Univ.Prof. DI Dr. J. Affenzeller

[www.accgraz.com](http://www.accgraz.com)

#### **Large Engines Competence Centre GbmH (LEC)**

Head: Ao.Univ.Prof. DI Dr. A. Wimmer

[www.lec.at](http://www.lec.at)

#### **Centre of Competence “holz.bau.forschungs.gmbh” (HOLZ.BAU)**

Head: Univ.Prof. DI Dr. G. Schickhofer / DI H. Gach

[www.holzbauforschung.at/](http://www.holzbauforschung.at/)

## Shares in K-plus Centres of Competence

### Centre of Competence for Knowledge-based Applications and Systems GmbH (Know-Centre)

Head: Univ.Prof. Dr. K. Tochtermann

<http://know-center.tugraz.at/>

### Centre of Competence for Applied Electrochemistry GmbH (ECHEM)

Head: O.Univ.Prof. DI Dr. J. Besenhard

[www.echem.at/](http://www.echem.at/)

### Research Centre for Virtual Reality and Visualization GmbH (VRVis)

Head: DI G. Stonawski

[www.vrvis.at](http://www.vrvis.at)

### Materials Centre Leoben GmbH (MCL)

Head: Univ.Prof. DI Dr. R. Ebner

[www.mcl.at](http://www.mcl.at)

### Applied Biocatalysis GmbH (AB)

Head: DI Dr. M. Michaelis / O.Univ.Prof. DI Dr. H. Griengl

[www.a-b.tugraz.at](http://www.a-b.tugraz.at)

### The Virtual Vehicle GmbH (VIF)

Head: Dr. J. Bernasch / O.Univ.Prof. DI Dr. W. Hirschberg

[www.vif.tugraz.at](http://www.vif.tugraz.at)

### Polymer Competence Centre Leoben GmbH (PCCL)

Head: O.Univ.Prof. DI Dr. R. Lang / Mag. M. Payer

[www.pccl.at](http://www.pccl.at)

### Austrian Bioenergy Centre GmbH (ABC)

Head: DI Dr. E. Fercher

[www.abc-energy.at](http://www.abc-energy.at)

## Co-operations within Networks of Competence (K-net)

### Network of Excellence for Joining (JOIN)

Head: O.Univ.Prof. DI Dr. H.H. Cerjak

[www.knet-join.at](http://www.knet-join.at)

### Internal Combustion Engines of the Future

Head: Univ.Prof. Dr. H. Eichelseder

<http://fvkma.tu-graz.ac.at/>

### Water Resources and their Management (K-net Water)

Head: Ao.Univ.Prof. Dr. H. Zojer / Mag. E. Müller

[www.waterpool.org](http://www.waterpool.org)

### Industrial Network for Metallurgical and Environmental Process Development (K-net MET)

Co-operation: Institut für Werkstoffkunde, Schweißtechnik und Spanlose Formgebungsverfahren

[www.knetmet.vai.at](http://www.knetmet.vai.at)

## Associations around Graz University of Technology

Source: Vice Rector for Infrastructure and ICT, as of 31. 12. 2005

### Support of Research, Transfer of Knowledge, Advanced Training

APS – European Programmes for Technologies and Training

[www.aps.tugraz.at](http://www.aps.tugraz.at)

ZFE Graz – Centre for Electron Microscopy Graz (member of ACR-Austrian Cooperative Research)

[www.felmi-zfe.tugraz.at](http://www.felmi-zfe.tugraz.at)

A-sit – Secure Information Technology Centre Austria

[www.a-sit.at](http://www.a-sit.at)

### Alumni Association of Graz University of Technology

alumniTUGraz1887

Association of Alumnae and Alumni of Graz University of Technology

[www.alumni.tugraz.at](http://www.alumni.tugraz.at)

### Further Alumni Associations

Telematics Engineer Association (TIV)

[www.tiv.tugraz.at](http://www.tiv.tugraz.at)

Austrian Association of Industrial Engineers (WING)

[www.wing-online.at](http://www.wing-online.at)

Association of Graduates from Electrical and Information Engineering (ELITE)

<http://elite.tugraz.at>

Association of Process Engineers at Graz University of Technology

[www.vt-verein.at/](http://www.vt-verein.at/)

Academic Paper Engineer Association (APV)

[www.apv.tugraz.at](http://www.apv.tugraz.at)

## Initiatives & Platforms

Source: TUGonline, as of 13. 1. 2006

### Networks between Technology and Society

Forum Technology and Society  
(TUG Squared) [www.tug2.tugraz.at](http://www.tug2.tugraz.at)

Partner project of alumniTUGraz 1887

Project Group e2i [www.e2i.tugraz.at](http://www.e2i.tugraz.at)  
(Energy – Innovation – Information)

### Internal Research Networks

Forum Energy of Graz University  
of Technology [www.energieforum.tugraz.at](http://www.energieforum.tugraz.at)

Laser Network “Interferometry,  
Optical Metrology” [www.optics.tugraz.at](http://www.optics.tugraz.at)

### Reconciliation of Work and Family Life

Flexible Child Care

Day Nursery

### Student Research in Competition

Robo Cup “Mostly Harmless” [www.robocup.tugraz.at](http://www.robocup.tugraz.at)

TUG Racing [www.racing.tugraz.at](http://www.racing.tugraz.at)

### Networks between Students and Business

Comtec Austria – Junior Enterprises [www.comtecaustria.at](http://www.comtecaustria.at)

IAESTE (International Association for the  
Exchange of Students for Technical  
Experience) [www.iaste.or.at](http://www.iaste.or.at)

### Recreational Activities at the Campus

Choir

Orchestra

Akaflieg [www.akaflieg.tugraz.at](http://www.akaflieg.tugraz.at)

## Co-operations

Source: Office of International Relations, as of 26. 1. 2006

### Joint University Partnerships

Budapesti Műszaki Egyetem, Budapest, Ungarn (since 11. 11. 1976)

Technische Universität Darmstadt, Darmstadt, Germany (since 15. 6. 1985)

St. Petersburg State Polytechnical University, St. Petersburg, Russia (since 18. 2. 1985)

Univerza v Mariboru, Maribor, Slovenia (since 7. 3. 1985)

Univerzitet u Sarajevu, Sarajevo, Bosnia and Herzegovina (since 4. 11. 2004)

Chungnam National University, Daejeon, Korea (faculty partnership; since 2. 6. 2004)

### Joint Study Agreements

University of Calgary, Calgary, Alberta, Canada

McMaster University, Hamilton, Canada

Universidad Central de Venezuela, Caracas, Venezuela

Royal Melbourne Institute of Technology (RMIT), Melbourne, Australia

Syracuse University, Syracuse, USA

### Unilateral Joint Study Agreements

Sakartvelos Teknikuri Universiteti, Tiflis, Georgia

### Networks

Alps-Adriatic Rectors' Conference

ASEA Uninet

Danube Rectors' Conference

Eurasia-Pacific Uninet

ISEP – International Exchange Student Program

### ERASMUS-Partnerships

with 141 Universities / Institutions of Higher Education in 23 nations

Further co-operations with changing partners exist within several programmes (e.g. CEEPUS, TEMPUS)

## Contact

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Homepage: [www.tugraz.at](http://www.tugraz.at)

### Central Information Services

Steyrergasse 30/I, A-8010 Graz  
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E-Mail: [isidor.kamrat@tugraz.at](mailto:isidor.kamrat@tugraz.at)  
Homepage: [www.ZID.tugraz.at/](http://www.ZID.tugraz.at/)

### Office of International Relations

Mandellstraße 11/II, A-8010 Graz  
Tel. +43 (0) 316 / 873-6416  
Fax +43 (0) 316 / 873-6421  
E-Mail: [claudia.buchrieser@tugraz.at](mailto:claudia.buchrieser@tugraz.at)  
Homepage: [www.international.tugraz.at](http://www.international.tugraz.at)

### TU Graz Life Long Learning (TUG-LLL)

Schlögelgasse 9/I, A-8010 Graz  
Tel. +43 (0) 316 / 873-4931  
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E-Mail: [stoeckler-penz@tugraz.at](mailto:stoeckler-penz@tugraz.at)  
Homepage: [www.LifeLongLearning.tugraz.at](http://www.LifeLongLearning.tugraz.at)

### Public Relations / Press

Rechbauerstraße 12/I, A-8010 Graz  
Tel. +43 (0) 316 / 873-6067  
Fax +43 (0) 316 / 873-6008  
E-Mail: [info@tugraz.at](mailto:info@tugraz.at)  
Homepage: [www.bdr.tugraz.at](http://www.bdr.tugraz.at)

### University Library

Technikerstraße 4, A-8010 Graz  
Tel. +43 (0) 316 / 873-6176  
Fax +43 (0) 316 / 873-6671  
E-Mail: [service.bibliothek@tugraz.at](mailto:service.bibliothek@tugraz.at)  
Homepage: [www.ub.tugraz.at](http://www.ub.tugraz.at)

### Study Services

Rechbauerstraße 12/I, A-8010 Graz  
Tel. +43 (0) 316 / 873-6128  
Fax +43 (0) 316 / 873-6125  
E-Mail: [studienervice@tugraz.at](mailto:studienervice@tugraz.at)

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Homepage: [www.zv.tugraz.at/persabt](http://www.zv.tugraz.at/persabt)

### Research- and Technology House

E-Mail: [forschung@tugraz.at](mailto:forschung@tugraz.at)  
Homepage: [www.fth.tugraz.at](http://www.fth.tugraz.at)

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### alumniTUGraz 1887

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Homepage: [www.alumni.tugraz.at](http://www.alumni.tugraz.at)



## Site plan of Graz University of Technology

