EUR-ACE® labelling: first achievements and difficulties


http://www.enaee.eu/
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Member groups of ASIIN

- Coordination group of German technical universities (45 members)
- Coordination group of German universities of applied sciences (89 members)
- National bodies representing the faculties of engineering at German universities
- Technical and scientific associations + professional organizations (32 members)
- Industrial federations and labour unions (8 members)

Broad based alliance anchored in the scientific community and in the economy, working together for quality-assurance and -improvement in the German higher education system

Prerequisite for the acceptance of accreditation decisions
## International Network

### EUROPEAN LABELS

<table>
<thead>
<tr>
<th>Label</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Eurobachelor®</td>
<td>Accredited chemistry programmes (within German-speaking countries)</td>
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<tr>
<td>EUR-ACE®</td>
<td>Accredited engineering programmes</td>
</tr>
<tr>
<td>EURO-INF</td>
<td>European Accreditation of Informatics Programs</td>
</tr>
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</table>

### NETHERLANDS and Switzerland

- ASIIN has been authorised to carry out accreditation visits in the Netherlands since January 1, 2006 and in Switzerland as of February 2008.

### WASHINGTON ACCORD

- ASIIN has been provisional member since 2003.

### WORLDWIDE

- **International Networks**
  - ASIIN is active member of quality assurance networks such as INQAHEE, ENQA, APQN and of field-specific networks such as IFEES, ECTNA (Eurobachelor®), ENAEE (EUR-ACE®), and EULAC-Project, ACAAI/ACAP, UNDP, TEMPUS.

- **International Accreditation**
  - Requests for accreditation from universities in: Croatia, Indonesia, Liechtenstein, Khazakstan, Poland, Russia, Switzerland.

- **International Programmes**
  - Accreditation of bi-national programmes offered jointly by universities from Germany and abroad in the Netherlands and Switzerland.

- **Consulting – establishing and improving QA**
  - Support of projects and organisations aiming at furthering quality assurance in higher education in Asia (China, Indonesia), Central and Latin America (6 x 4 EULAC-Project, ACAAI/ACAP), Arab states (UNDP), Bosnia and Herzegovina (TEMPUS).
The European Network for the Accreditation of Engineering Education

ENAAE
www.enaee.eu
Promote mutually agreed standards for the accreditation of engineering programmes
Establishment of a decentralized European accreditation system of engineering programmes on a permanent and self-supporting basis.

More specifically, EUR-ACE IMPLEMENTATION will

- promote and supervise the award of the first quality labels “EUR-ACE FCD/Bachelor” and “EUR-ACE SCD/Master”;
- facilitate the establishment of accreditation practices of engineering education in countries where at present no such system is operating;
- set-up a viable and self-supporting system to carry on the practices in successive years.
EUR-ACE Label Committee

From left to right:

Dr. Iring Wasser
ASIIN, Chair, Germany

Ian Freeston
Engineering Council UK, Great Britain

Oleg Boev
Russian Association for Engineering Education, Russia

Jana Möhren
ASIIN, LC Secretariat

Antonio Salgado de Barros
Ordem dos Engenheiros, Portugal

Denis McGrath
Engineers Ireland, Ireland

Not pictured:
René-Paul Martin, CTI, France
EUR-ACE Label Committee
Responsibilities

General:

✓ Accredit Engineering Programs within the EHEA and deliver the EUR-ACE label
✓ Make recommendations to the Administrative Council about applications from agencies within the EHEA seeking the right to award the EUR-ACE® Label

Particular:

✓ Deal with requests by HEI for a EUR-ACE accreditation and promote EUR-ACE® Label as quality mark for accreditation of engineering education
✓ Organize review process for applicant agencies and determine compliance of applicant agencies with „Standards and Guidelines (SGA)“
✓ Make recommendation to AC about authorization to award EUR-ACE® Label
✓ Assist developing engineering accreditation agencies
✓ Review EUR-ACE® policy, standards and procedures
17. November 2006: ENAEE authorises 6 European Accreditation Agencies to award the EUR-ACE® Label for a period of two years.

- Germany: Akkreditierungsagentur für Studiengänge der Ingenieurwissenschaften, der Informatik, der Naturwissenschaften und der Mathematik (ASIIN)
- France: Conseil des Titres d'Ingénieurs (CTI)
- United Kingdom: Engineering Council UK (ECUK)
- Ireland: Engineers Ireland (EIE)
- Portugal: Ordem dos Engenheiros (OE)
- Russian Federation: Russian Association for Engineering Education (RAEE)
Award of the EUR-ACE® Label

This is to certify that the Bachelor programme

**Energie- und Prozesstechnik**
**(Power and Process Engineering)**

provided by

Technische Universität Berlin
Fakultät Prozesswissenschaften

accredited by

ASIIN e.V.

on 07 December 2007 until 20 December 2008

satisfies the outcomes of First Cycle programmes specified in the EUR-ACE Framework Standards for the Accreditation of Engineering Programmes, and therefore for the above period of accreditation is designated as a First Cycle EUROPEAN ACCREDITED ENGINEERING PROGRAMME.

For the European Network for Accreditation of Engineering Education (ENAEI)
The President
Prof. Ing. Giuliano Augusti, Sc.D.
Brussels, 17 December 2007

For ASIIN
The Managing Director
Dr. Iring Wasser
Düsseldorf, 17 December 2007
<table>
<thead>
<tr>
<th><strong>Higher Education Institution</strong> (name in original language and in English)</th>
<th>Technische Universität</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Country</strong></td>
<td>Germany</td>
</tr>
<tr>
<td><strong>State/province (where applicable)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Name of the Programme</strong> (name in original language and in English)</td>
<td></td>
</tr>
<tr>
<td><strong>Degree awarded</strong></td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td><strong>Qualification Level (First Cycle / Second Cycle)</strong></td>
<td>First Cycle</td>
</tr>
<tr>
<td><strong>Programme objectives; Profile (where applicable)</strong></td>
<td>The overall objective of the programme is to train engineering graduates at university level. Graduates shall obtain competences in scientific working methods, the capability of working in teams and finding methods for problem-solving as well as the transfer of theoretic knowledge into practical solutions. Students shall be aware of current presentation techniques in order to present the results of their findings. Furthermore they shall gain knowledge in foreign languages and become aware of gender-mainstreaming aspects in the engineering industry. They shall also gain knowledge about current national and international research subjects.</td>
</tr>
<tr>
<td><strong>Programme Duration (Semesters; in case of &quot;terms&quot; of different length, indicate them and the</strong></td>
<td>6 semesters</td>
</tr>
</tbody>
</table>
in mathematics, natural sciences and engineering. In the next three semesters advanced engineering subjects are taught, in particular in the fields of process engineering and energy technology.

<table>
<thead>
<tr>
<th>Accredited without / with prescriptions</th>
<th>With prescriptions</th>
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<tbody>
<tr>
<td><strong>Prescriptions (where applicable)</strong></td>
<td>1. Submission of effective studies and examination regulations.</td>
</tr>
<tr>
<td></td>
<td>2. The module handbooks must be revised in consideration of the aspects mentioned in the accreditation report. These include the definition and description of study objectives, contents, prerequisites and criteria for examinations.</td>
</tr>
<tr>
<td></td>
<td>3. A relative ECTS grade should be awarded according to the framework set by KMK from October 2004.</td>
</tr>
<tr>
<td><strong>Accredited by (agency, country)</strong></td>
<td>ASIIN, Germany</td>
</tr>
<tr>
<td><strong>Accredited (from ... to ...)</strong></td>
<td>07 December 2007 until 08 December 2008 (Upon fulfilment of the prescriptions until 30 September 2012)</td>
</tr>
</tbody>
</table>
Award of the EUR-ACE® Label

Estimation for EUR-ACE® Label awarded until end of 2008

ASIIN: 100
CTI: 75
ECUK: 20
EI: 75
OE: 5
RAEE: 20
Decision of the FEANI European Monitoring Committee (EMC 22/23.02.2007):

„The EMC will normally accept to the Index programmes accredited by agencies licensed by ENAEE using EUR ACE procedures and criteria.“
FEANI maintains an INDEX, listing the institutions of engineering higher education in the countries it represents and their engineering programmes, which are recognized by FEANI as fulfilling the mandatory requirements for the EUR ING title.

For a programme to be included in the INDEX, apart from a minimum duration of 3 years (180 ECTS), it has to provide a suitable balance of basic sciences, engineering sciences, and non-technical subjects.

A description of the teaching staff qualifications, in terms of academic degrees and professional experience, and of laboratory facilities used by the programme is also studied as part of the acceptance process.
FEANI contribution for promoting Mobility and Recognition: the EUR ING title, designed as a guaranty of competence for professional Engineers

- Establish a framework of mutual recognition of qualifications and facilitate the movement of practicing Engineers within and outside the geographical area represented by FEANI’s member countries

- Provide information about the various formation systems of individual Engineers for the benefit of prospective employers

- Encourage the continuous improvement of the quality of Engineers by setting, monitoring, and reviewing standards
FEANI is piloting the introduction of a "European professional card" - a concept introduced in the latest version of the Qualifications Directive.

The EngCard would be a validated record of academic qualifications, work experience and professional registration.

It is intended to facilitate regulatory recognition and be a source of validated information for HR departments and consultants clients.
Information for Higher Education Institutions on how to obtain the EUR-ACE® Label for a degree programme

The EUR-ACE® Label can be awarded to accredited First or Second Cycle engineering degree programmes in order to

- receive a quality label for engineering degree programmes recognized Europe-wide
- improve the mobility of students and graduates

→ Higher Education Institutions within the EHEA can freely choose among the six authorized agencies to apply for a EUR-ACE label or contact the EUR-ACE Label Committee

EUR-ACE Label Committee
c/o ASIIN
Postfach 10 11 39
40002 Düsseldorf
Establishment of procedures for the authorisation of further agencies to award the EUR-ACE® Labels:

2 documents have been produced:

- Standards and Guidelines for Accreditation Agencies (SGA)
- Application Form for Accreditation Agencies – Authorisation to award the EUR-ACE® Labels
Review of the authorised agencies:

- By July 2008 all authorised agencies will have undergone an external review.
- The review-teams will co-ordinate their work to ensure equal treatment of all agencies.

Procedure:

- Preparation of self evaluation (-> Standards and Guidelines for Accreditation Agencies (SGA))
- Attendance of min. 1 accreditation process for FCD and SCD
- Attendance of one meeting of the agency’s decision making body
National or regional accreditation agencies interested in offering an additional service to their customers by awarding the EUR-ACE® Label can apply for authorization to do so.

In the process they must demonstrate that their accreditation criteria are in line with the

- **ENAEE Standards and Guidelines for Accreditation Agencies**

and the

- **EUR-ACE® Framework Standards**

and complete the

- **ENAEE Application Form for Accreditation Agencies**.

To find out about the possibilities of your agency, contact the EUR-ACE® Label Committee.
Decision on procedures for countries in which (engineering) accreditation agencies have not yet been established

Decision on accepting accreditation agencies with a broader focus than engineering

Mutual recognition of the awarded accreditation labels (substantial equivalency)
ENAAE-Website (www.enaee.eu)

Homepage
Presentation
Members
General Assembly
ENAAE documents
Administrative Council
EUR-ACE Label Committee
ENAAE Meetings
Statutes
By-Laws
General Policy Statement
Current projects
ESOEPE and past projects
Forthcoming ENAAE-related events
ENAAE-related publications and documents
Private section

ENAAE is an international non-profit making association. Its registered office is established in Brussels and is currently located at the office of the Secretariat General of FEANI, 26 Avenue Roger Vandenplas, 1180 Brussels, Belgium.
Thank you for your attention