



# **Decision about the accreditation: ASIIN Seal**

**Master's Degree Programme  
*Management and Engineering in Electrical Power  
Systems***

Provided by  
**RWTH Aachen University**  
**in cooperation with Maastricht School of Manage-  
ment**

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## A About the Accreditation Process

Name of the degree programme (in original language)	(Official) English translation of the name	Labels applied for <sup>1</sup>	Previous accreditation (issuing agency, validity)	Involved Technical Committees (TC) <sup>2</sup>
Ma Management and Engineering in Electrical Power Systems	--	ASIIN	--	TC 02, 06
<p><b>Date of the contract:</b> 14.01.2015</p> <p><b>Submission of the final version of the self-assessment report:</b> 03.03.2015</p> <p><b>Date of the onsite visit:</b> 17.04.2015</p> <p><b>at:</b> RWTH International Academy, Kackertstraße 10</p>				
<p><b>Peer panel:</b></p> <p>Prof. Dr.-Ing. Ernst Gockenbach, Leibniz Universität Hannover;</p> <p>Stephan Reinisch, Erfurt University of Applied Science (Student);</p> <p>Prof. Dr. Frank Schultmann, Karlsruhe Institute of Technology;</p> <p>Klaus Spiegel, sms Sales &amp; Marketing Support;</p> <p>Prof. Dr.-Ing. Martin Wölker, University of Applied Science Kaiserslautern</p>				
<p><b>Representative of the ASIIN headquarter:</b> Johanna Zaklika</p>				
<p><b>Responsible decision-making committee:</b> Accreditation Commission for Degree Programmes</p>				
<p><b>Criteria used:</b></p> <p>European Standards and Guidelines as of 10.05.2005</p> <p>ASIIN General Criteria, as of 28.03.2014</p>				

<sup>1</sup> ASIIN Seal for degree programmes

<sup>2</sup> TC: Technical Committee for the following subject areas: TC 02 – Electrical Engineering and Information Technology; TC 06 – Industrial Engineering

Subject-Specific Criteria of Technical Committee – Electrical Engineering and Information Technology as of 09.12.2011	
Subject-Specific Criteria of Technical Committee 06 – Industrial Engineering as of 09.12.2011	

In order to facilitate the legibility of this document, only masculine noun forms will be used hereinafter. Any gender-specific terms used in this document apply to both women and men.

## B Characteristics of the Degree Programme

a) Name	Final degree (original/English translation)	b) Areas of Specialization	c) Corresponding level of the EQF <sup>3</sup>	d) Mode of Study	e) Double/Joint Degree	f) Duration	g) Credit points/unit	h) Intake rhythm & First time of offer
Management and Engineering in Electrical Power Systems	M.Sc.	--	Level 7	Full time	Maas-tricht School of Management	4 Semester	120 ECTS	Winter semester 2015/16

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<sup>3</sup> EQF = The European Qualifications Framework for lifelong learning

## C Assessment of the peers

### 1. Subject-specific Criteria

In the assessment process, the different criteria used are as follows:

*Study programme*

*Subject-Specific Criteria applied in the accreditation procedure*

Management and Engineering in Electrical Power Systems

Technical Committee for Electrical Engineering and Information Technology (TC 02)

Industrial Engineering (TC 06)

#### **Technical Classification**

The Subject-Specific Criteria (SSC) of the Technical Committees for Electrical Engineering and Information Technology and Industrial Engineering provide the basis for judging whether the intended learning outcomes framed by Higher Education Institutions are constituted in the degree programmes in a comprehensible manner. The auditors examined the areas of competence as set forth by the *Subject-Specific Criteria* (SSC) for the degree programme.

#### **Learning outcomes and competence profile of the graduates**

The objectives for the master's programme Management and Engineering in Electrical Power Systems provided in the self-assessment report and the examination regulation give an overview how the areas of competence of the subject specific criteria correspond and could prove that all subject-specific criteria defined by ASIIN were in line with the criteria of the study programme. This applies also to the curriculum; the panel acknowledged that the curriculum of the programme is much aligned to the expected learning outcomes.

The engineering part of the programme will be conducted by the faculty of Electrical Engineering and Information Technology of the RWTH Aachen University. This faculty saw its prior mission in training high qualified and responsible engineers in the broad field of Electrical Engineering, Information Technology and Computer Engineering for leading positions in industry and society. The foci of the electrical power engineering modules

lied in the considerations of modern structures of electrical power systems, technologies and components. Laboratory exercises are designed to support research capabilities of the students and to ensure that students are exposed to the most up-to-date methodological skills and practices. Maastricht School of Management contributes the business-related component to this program. Students are trained as a globally-oriented manager with knowledge of the core management processes and with understanding of the major social and environmental issues that set the scene for business processes in emerging economies. The study programme covers the imparting of specialised knowledge and interdisciplinary knowledge as well as of technical procedural and generic competences. Students learn how to deal with enhanced methodological and analytical methods both to solve discipline-specific research and practice-oriented problems under consideration of other disciplines. Also, students are able to develop innovative new methods to solve future questions. Moreover, it is intended to impart key qualifications that are important for an interdisciplinary way of thinking and working as well as to teach the students to be aware of future technologies, research and management trends, developments and problems in a multifaceted and globalized environment.

<b>General Criteria for the ASIIN Seal</b>
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The peers saw the general criteria for awarding the ASIIN seal on the basis of the reference report entirely fulfilled.

## **D Summary: Peer recommendations (18.05.2015)**

Taking into account the additional information and the comments given by RWTH Aachen International Academy the peers summarize their analysis and **final assessment** for the award of the seals as follows:

<b>Degree Programme</b>	<b>ASIIN seal</b>	<b>Maximum duration of accreditation</b>
Ma Management and Engineering in Electrical Power Systems	With requirements for one year	30.09.2020

### **Requirements**

A 1. (ASIIN 5.1) The relevant regulations have to be subject to a legal check and must be in force.

### Recommendations

- E 1. (ASIIN 2.3) It is recommended to expand the range of electives to allow students to develop an individual focus.
- E 2. (ASIIN 3.4) It is recommended to support the professional and non-academic exchange with German students.
- E 3. (ASIIN 1.3) It is recommended to give international legal aspects (patent right, working laws) more consideration.

## E Comment of the Technical Committees

### Technical Committee – Electrical Engineering/Information Technology (12.06.2015)

*Assessment and analysis for the award of the ASIIN seal:*

The Technical Committee discussed the procedure. It fully agreed with the assessment and recommended resolution of the peers. It proposes a minor editorial modification in recommendation 1 (range of electives). Furthermore, it asked to check the phrase “be in force” in requirement 1 (“put into force” might be more accurate) as well as the term “working laws” in recommendation 3 (is “Labour Law” the proper reference here).

The technical committee recommends the award of the seals as follows:

Degree Programme	ASIIN seal	Maximum duration of accreditation
Ma Management and Engineering in Electrical Power Systems	With requirements for one year	30.09.2020

- A 2. (ASIIN 5.1) The relevant regulations have to be subject to a legal check and put into force.

### Recommendations

- E 4. (ASIIN 2.3) It is recommended to expand the range of electives allowing students to develop an individual focus.



## A Decision of the Accreditation Commission (26.06.2015)

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- E 5. (ASIIN 3.4) It is recommended to support the professional and non-academic exchange with German students.
- E 6. (ASIIN 1.3) It is recommended to give international legal aspects (patent right, labour laws) more consideration.

## Technical Committee – Industrial Engineering (03.06.2015)

*Assessment and analysis for the award of the ASIIN seal:*

With regard to contents, it fully agrees with the assessment of the peers.

The technical committee recommends the award of the seals as follows:

<b>Degree Programme</b>	<b>ASIIN seal</b>	<b>Maximum duration of accreditation</b>
Ma Management and Engineering in Electrical Power Systems	With requirements for one year	30.09.2020

## A Decision of the Accreditation Commission (26.06.2015)

*Assessment and analysis for the award of the subject-specific ASIIN seal:*

With regard to contents, it fully agrees with the assessment of the peers and the technical committees.

The Accreditation Commission for Degree Programmes decides to award the following seal:

<b>Degree Programme</b>	<b>ASIIN seal</b>	<b>Maximum duration of accreditation</b>
Ma Management and Engineering in Electrical Power Systems	With requirements for one year	30.09.2020

### Requirements

- A 1. (ASIIN 5.1) The relevant regulations have to be subject to a legal check and put into force.

### Recommendations

- E 1. (ASIIN 2.3) It is recommended to expand the range of electives ~~to allow~~ allowing students to develop an individual focus.
- E 2. (ASIIN 3.4) It is recommended to support the professional and non-academic exchange with German students.
- E 3. (ASIIN 1.3) It is recommended to give international legal aspects (patent right, labour laws) more consideration.