

# Statutes of the Doctoral School of Chemical and Process Engineering

## § 1 Objectives and Content of the Doctoral School of Chemical and Process Engineering

(1) The Doctoral School of Chemical and Process Engineering has the goal of providing in-depth scientific training of graduate students in chemical and process engineering on an inter-university basis. The doctoral school covers the scientific fields within classic process technology (mass and energy transport processes, thermodynamics for chemical engineers, chemical reaction engineering, mechanical process engineering, particle process engineering, mass transfer unit operations as well as paper and pulp technology) and the fields of plant technology, process simulation and process dynamics.

The doctoral school provides a setting for doctoral candidates where they can pursue research in the theoretical fields listed above as well as complete their scientific work in more application-related areas of research. In addition to the classic disciplines of process engineering, this includes environmental technology, pharmaceutical process engineering, energy technology applications, bio-technology, material and energy utilisation of renewable raw materials and specific topics of process engineering.

(2) The Doctoral School of Chemical and Process Engineering is committed to advanced qualification of doctoral candidates who are already employed in industry. For this reason, the curricular workload of the doctoral programme is structured in a way that students who are already employed in the business sector are able to attend.

(3) Graduates of the Doctoral School of Chemical and Process Engineering are awarded the academic degree of “Doctor of Engineering Sciences” (Dr. techn.) or the academic degree of “Doctor of Natural Sciences” (Dr. rer. nat.). During the admission procedure to the Doctoral School of Chemical and Process Engineering it will be decided by the governing body responsible for study regulations (Dean of Studies) in agreement with the doctoral candidate and the supervisor which degree the graduate will be awarded.

## § 2 Members of the Doctoral School of Chemical and Process Engineering

The Doctoral School of Chemical and Process Engineering consists of tenured academics of the process engineering institutes listed below as well as associated tenured academics of directly related fields, and doctoral candidates in process engineering.

The doctoral school is organised in a cross-faculty structure cooperates with other universities. At present, the list of member institutes and associated representatives comprises:

## 2.1 Institutes

- 6610 Institute of Paper, Pulp and Fibre Technology
- 6670 Institute of Chemical Engineering and Environmental Technology
- 6690 Institute of Process and Particle Engineering

## 2.2 Associated Academics of Graz University of Technology

Tenured professors of the Graz University of Technology may become members of the Doctoral School of Chemical and Process Engineering upon request.

## 2.3 External Partnerships

The cooperation initiatives of the Doctoral School of Process Engineering refer to curricular teaching modules, the doctoral seminar (“Mini-symposium VT”) and the assessment of the dissertations completed within the doctoral school and the conducting of the viva voce.

External cooperation partners who are tenured at other universities that are entitled to convey doctoral degrees may also offer subject-specific modules for the curricular part of the Doctoral School of Chemical and Process Engineering at their university.

The doctoral seminar “Minisymposium VT” is conducted by institutes that belong to the Doctoral School of Chemical and Process Engineering and by the external cooperation partners on an alternating basis once every year. The responsibility for organising this event is rotated among the cooperating partners. The Doctoral School of Chemical and Process Engineering is committed to openness and thus expressly invites academics who teach “Chemical and Process Engineering” or who work in research capacity at other universities entitled to convey doctoral degrees in Austria and abroad to enter cooperation initiatives with the Doctoral School of Chemical and Process Engineering.

## 2.4 Doctoral Candidates

The Coordinating Team shall keep an up-to-date list of all enrolled doctoral candidates.

## § 3 Supervisory Bodies and Responsibilities

The doctoral school is represented by a Coordinating Team chosen from the members of the doctoral school and consisting of one representative from each of the following groups: full professors, other faculty members and students.

The representatives of the Coordinating Team of the Doctoral School of Chemical and Process Engineering are appointed by the curia of the Process Engineering faculty and the student representation organisation for a two-year period.

In their capacity as members of the doctoral school, the members of the Coordinating Team agree to treat all information that they are privy to as part of their activities in the Coordinating Team as confidential.

In agreement with the governing body responsible for study regulations, the Coor-

minating Team shall draw up a list of modules according to the tasks outlined in the Curriculum for the Doctoral Programme in Engineering Sciences as well as the Curriculum for the Doctoral Programme in Natural Sciences at Graz University of Technology.

#### **§ 4 Scope and Content of the Curricular Workload at the Doctoral School of Chemical and Process Engineering**

In accordance with § 6 of the Curriculum for the Doctoral Programme in Engineering Sciences as well as the Curriculum for the Doctoral Programme in Natural Sciences at Graz University of Technology, the curricular workload shall amount to 14 semesters course hours that are to be allocated as follows:

##### **Subject-Specific Basic Modules** (6 – 8 semester course hours):

6 - 8 semester course hours from the list of “Basic Modules” for the Doctoral School of Chemical and Process Engineering”, or similar courses, if approved by the PhD supervisor, the Coordinating Team and the Dean of Studies.

##### **Scientific Methods and Communication** (4 – 6 semester course hours):

- Doctoral seminar (2 x 1 semester course hour)  
The doctoral seminar will be held as a block session once a year as part of the “Minisymposium VT”. PhD students must participate the Minisymposium twice. The PhD supervisors are responsible for the active participation of their PhD students. The supervisors must confirm participation and evaluate it. Alternatively scientific meetings (e.g. AIChE Annual Meeting, ProcessNet, TAP-PI, conferences) will be accepted with a maximum amount of 1 semester course hour, but the PhD student must be first author of a scientific abstract or paper. Workshops and seminars will in principle not be accepted as appropriate substitutes for the Minisymposium.
- Scientific methods (2 semester course hours) courses approved by the PhD supervisor, the Coordinating Team and the Dean of Studies.
- Soft skill (0-2 semester course hours) course modules approved by the PhD supervisor, the Coordinating Team and the Dean of Studies.
- Private Tutorial (2 semester course hours)  
The private tutorial (Privatissimum), a seminar, has to ensure direct interaction between supervisor and doctoral candidates.

#### **§ 5 Other Provisions**

The supervisors of PhD students have to conduct formal annual interviews with the PhD students. Topics of the interview are the status of progress and the targets for the next research period.

In addition, the regulations laid down in the Curriculum for the Doctoral Programme in Engineering Sciences as well as the Curriculum for the Doctoral Programme Natural Sciences at Graz University of Technology shall apply.

In case of conflict the German version of the statutes is legally binding.