



**UNIVERSITY OF PANNONIA**  
**Faculty of Engineering**  
**Department of Process Engineering**

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***A postgraduate course in PROCESS SAFETY ENGINEERING***

The University of Pannonia, Faculty of Engineering announces a postgraduate course in Process Safety Engineering. The course is supervised by the Department of Process Engineering. Professional support is provided by SIL4S Ltd. The course is offered with the contribution of the Continuing Education Institute of the University.

***The course objectives***

The course is aimed at establishing and supporting "safety-oriented engineering approaches" among practicing engineers. The course program prepares engineers supervising, operating and controlling industrial processes for treating the safety aspects of the controlled processes by applying the related standards, current practices and tools.

***Target audience***

First of all R&D, operation and maintenance engineering staff of oil and chemical companies who are involved in different process safety related issues in their daily tasks. Furthermore, all engineering professionals who have adequate industrial experience and want to refresh and extend their knowledge to be prepared new professional tasks and challenges.

***Degree offered***

**Process safety engineer**

***Entry requirements***

An MSc or BSc degree in energetic, chemical, mechatronic, mechanical, environmental and informatics engineering is required. In case of other engineering degrees further requirements are to be fulfilled.

***Course program***

Process control theory and practice, Process design methods and tools, Control systems, Mathematics, Safety standards, Process safety theory and practice, Application of safety standards.

***Form of the course***

The course is 4 semesters long and provided in part-time form allowing a great flexibility in scheduling the individual course activities. The compulsory training classes require only reasonable time allocation.

Besides the short, intensive training periods, this form highly relies on the participants' individual learning and preparation. All course modules are based on two intensive periods in every semester. The subjects discussed in these periods are to be further studied through the individual training which is supported by a broad range of consultation possibilities including personal consultations in the intensive periods, e-mail, telephone and video-conference consultations through the semesters. The quality of the program is guaranteed by the well-trained and experienced university teaching staff as well as TÜV certified industrial specialists.

***Time schedule***

The lectures, practices and personal consultations requires two one-week periods (5-5 days each), altogether appr. 75 contact hours per semester. Furthermore several individual assignments are to be elaborated in distance-learning form. Every semester is closed with an examination day. The course is concluded with the elaboration of a thesis work. The topic of the thesis work should be a suitable selected industrial problem.

### ***Assessment and examinations***

The course assessment system requires the fulfillment of each subject modules. This involves module examination, evaluation of the individual reports and practical training marks. The final evaluation consists of the defense of the thesis and a final qualification examination.

### ***Duration and credits***

The course is 4 semesters long and involves 120 credits. Credits obtained in different course modules can be transferred to other postgraduate courses of the department. The credit equivalency is decided by the program chair.

### ***Location***

The course is held in Veszprém. In case of higher number of participants the lecture and consulting hours can be relocated based on the special agreement with the financing companies.

### ***Starting the course***

In case the number of participants reaches the required minimum the course can be started in either the fall or the spring semester.

### ***Number of participants***

Minimum 10, maximum 15 participants can be accepted for one course.

### ***Tuition fee***

2500 EUR/participant/semester.

*Discounts are available according to individual contract with companies sending at least 10 participants for the same course.*

### ***Program chair:***

***Dr. Tibor Chován***, tel: +36-88-624-993, e-mail: [chovan@fmt.uni-pannon.hu](mailto:chovan@fmt.uni-pannon.hu)

### ***Further information:***

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