



Conclusions from the ECEC Questionnaire Concerning the Implementation of the Bologna Process

1. Can a bachelor become Chartered Engineer?

Following countries answered with “**yes**”:

Bulgaria, Germany, Hungary, Poland, Slovenia, Czech Republic

Following countries answered with “**no**”:

Austria, Croatia, Italy, Serbia, Greece

Answer of Greece:

“In Greece engineering degrees are awarded after the completion of a five-year program of studies. The Engineering Diploma is equivalent to a Master’s degree not a Bachelor’s.”

2. If yes, with which competencies?

Answer of Bulgaria:

The bachelor could become chartered engineer, but with limited design capacity – only small buildings (5 and 6 category, according to the Law on Territory Planning).

Answer of Germany:

“With all Competencies.”

Answer of Hungary:

“Design, site management and site inspection in construction industry.”

Answer of Poland:

“Bachelor is obliged to complete his study by the MA Programme.”

Answer of Slovenia:

“Only with partial limiting competencies.”

3. Does in your country a quotation system exist concerning students with a BA degree, wishing to change into the MA-programm?

Following countries answered with “yes”:

Bulgaria, Croatia, Germany, Hungary, Poland, Slovenia, Serbia

Following countries answered with “no”:

Austria, Italy, Czech Republic

4. If yes to which percentage?

Following countries answered with “20 %”:

Germany, Hungary, Serbia

Following countries answered with “more”:

Bulgaria (25 % - state funded; 75 % - privately funded),

Croatia, Poland, Slovenia,

5. After how many semester a Bachelor´s degree can be obtained!

Following countries answered with “6 semester”:

Austria, Croatia, Germany, Italy, Slovenia, Serbia

Following countries answered with “8 semester”:

Bulgaria, Hungary, Poland, Czech Republic, Serbia

Answer of Greece:

“After completion of a five year program of studies. The Diploma is equivalent to a Master´s degree.”

6. How many creditpoints are necessary to obtain a Bachelor´s degree?

Following countries answered with “180”:

Austria, Croatia, Germany, Hungary, Italy, Slovenia Serbia

Following countries answered with “more”:

Bulgaria, Poland (240), Czech Republic (240)

7. Is it guaranteed in your country that most BA / MA curricula are accredited by an accreditation agency until December 2009?

Following countries answered with “yes”:

Bulgaria, Croatia, Slovenia, Czech Republic, Serbia

Following countries answered with “no”:

Germany, Hungary, Italy, Poland

Answer of Austria:

“Universities are autonomous, there is no outside accreditation. The curricula of Universities of Applied Science have to go through an accreditation procedure (Fachhochschulbeirat) at the Austrian Federal Ministry of Science and Research.”

8. Is a period of professional training compulsory as part of the bachelor program?

Following countries answered with “**yes**”:

Austria, Poland, Slovenia, Serbia

Following countries answered with “**no**”:

Bulgaria, Croatia, Germany, Hungary, Italy, Czech Republic

9. Can former degrees (like Dipl.-Ing.) be awarded besides the BA / MA degrees?

Following countries answered with “**yes**”:

Austria, Bulgaria, Hungary, Poland, Serbia

Following countries answered with “**no**”:

Croatia, Germany, Slovenia, Czech Republic

Answer of Italy:

“Please, see answer 7.”

10. Can your Chamber of Engineers influence the accreditation agencies in respect of standards of engineering education?

Following countries answered with “**yes**”:

Bulgaria, Croatia, Germany, Hungary, Poland, Slovenia, Czech Republic, Serbia, Greece

Answer of Austria:

“Yes, can give opinions in the accreditation procedure for Universities of Applied Science – no influence at the autonomous Universities.”

Answer of Italy:

“Please, see answer 7.”

Answer of Greece:

“In Greece there are no accreditation agencies. The Technical Chamber of Greece provides input on the standards of engineering education to the competent authorities.”

11. Do you differ between University and / or University of Applied Sciences?

Following countries answered with “**yes**”:

Austria, Bulgaria, Croatia, Germany, Hungary, Poland, Greece

Following countries answered with “**no**”:

Slovenia, Czech Republic

Answer of Italy:

“Please note: the three Polytechnics (Turin, Milan and Bari) are an exception, but they award only Engineering and Architecture courses.”

12. If yes, do Universities of Applied Sciences also offer master programs?

Following countries answered with “**yes**”:

Austria, Bulgaria, Germany, Hungary, Czech Republic, Greece

Following countries answered with “**no**”:

Croatia, Poland, Serbia

13. How is lifelong learning assured?

Following countries answered with “**by law**”:

Austria, Croatia, Hungary, Poland, Czech Republic

Following countries answered with “**by code of conduct**”:

Germany, Italy, Slovenia, Serbia

Answer of Bulgaria:

“The Bulgarian Chamber of engineers is required by law to provide opportunities to its members for increase of their professional qualification, although further professional training is not mandatory.”

14. Is it obligatory?

Following countries answered with “**yes**”:

Austria, Croatia, Hungary, Italy, Czech Republic

Following countries answered with “**no**”:

Bulgaria, Germany, Italy, Slovenia, Serbia

15. Are there any sanctions?

Following countries answered with “**yes**”:

Answer of Poland:

“Regulations by the law on Academic Education.”

Answer of Hungary:

“Entitlement and registration at the chamber is subject of participating in life-long learning. There is a five year period for all engineers to get the required “credit points”.”

Answer of Croatia:

“...retrieval of the licence of Chartered Engineer...”

Following countries answered with “**no**”:

Austria, Bulgaria, Germany, Italy, Slovenia, Serbia

Answer of Czech Republic:

“Positive motivation.”

16. Is a foreign language compulsory within the Bachelor-Studies?

Following countries answered with “**yes**”:

Bulgaria, Croatia, Hungary, Italy, Poland, Slovenia, Czech Republic, Serbia

Following countries answered with “**no**”:

Austria, Germany

17. Did your country implement a Diploma Supplement, in order to promote international competitiveness?

Following countries answered with “**yes**”:

Bulgaria, Croatia, Hungary, Italy, Poland, Slovenia, Czech Republic, Serbia

Following countries answered with “**no**”:

Austria, Germany

18. How many years or semester are required for a Master’s degree after a Bachelor degree?

Following countries answered with “**one year**”:

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Following countries answered with “**two years**”:

Austria, Croatia, Germany, Hungary, Italy, Poland, Slovenia

Following countries answered with “**other**”:

Answer of Bulgaria:

“Minimum 1 year, depending on the major specialisation.”

Answer of Croatia:

“...Requirements for Chartered Engineer: 300 ECTS (five years in the higher education system) in Civil Engineer + state exam (building law etc) + successful professional practice (2 to 4 years) under supervision of the Croatian Chamber of Civil Engineers...”

Answer of Czech Republic:

“One and half year.”

Answer of Serbia:

“Minimum 1 year (2 semesters), usually 2 year (4 semesters)”

19. Which aspects of the Bologna Process do you criticize?

Following countries answered with “**lack of mobility**”:

Croatia, Germany

Following countries answered with “**lack of recognition**”:

Bulgaria, Germany, Poland, Slovenia, Czech Republic, Greece

Following countries answered with “**other**”:

Answer of Austria:

“No professional recognition.”

Answer of Bulgaria:

“We are sceptical of the introduction of separate BA and MA degrees for engineers, due to concerns about the capability of graduating Bachelors to be up-to-date with the latest developments in the field.”

Answer of Germany:

“lack of “Dipl.-Ing.” as brand”

Answer of Hungary:

“There are a lot of studies in this field. The “Bologna process” is against the traditions of the Hungarian educational system, which is very similar to the German one. But we have to consider the problems of the primary and secondary educations as well.”

Answer of Italy:

“Lack of quality in the education for both profiles.”

Answer of Serbia:

“Our opinion is that students of Bachelor degree should attend 8 semesters. In that case they can take more responsibility in their work.”

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