

Challenges for the debate What Civil Engineering needs, What Civil Engineers need and want?

 Adapt to social, scientific and technical development - (i) life today; (ii) Revolution 4.0; (iii) the new concepts for education....

- Ever more holistic education fundamental knowledge, competences and skills
- *«* Recognition of qualifications requirement for mobility
- Career Development in a lifelong context

















DUCATION	, , , , , , , , , , , , , , , , , , ,	
normally require two ad- difinal years of study and adissertation. In the United States, the National Academy be declared the first profes- the National Academy be declared the first profes-		
The Fi Question	Current Practice	Proposed
What should be the minimum requirement?	A Bachelor of Science in engineering (or equivalent)	A Master of Science in engineering or a Bachelor of Science in engineering plus 30 additional semester credits
What additional training would be required?	None	Holders of a B.Sc. or B.Eng. would have to acquire additional educational credentials such as a M.Sc. or M.Eng.
What changes in engineering education would be needed?	None	New accreditation procedures for graduate programs aeveropment of new graduate curricula; changes in licensure procedures and lows
Who supports each position?	Inside the IEEE, soveral sections, including the Alaska Section. In the United States, soveral representatives of state licens- ing boards that do not intend to adopt new quidelines.	Several engineering associations including the American Society of Chri Engineering and National Council of Examiners for Engineering and National Council of Examiners for Engineering and Surveying. In Europe, the developers of the Bologna Process.