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DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS  
WASHINGTON, D.C. 20314-1000

JUN 30 2008

REPLY TO  
ATTENTION OF:

Engineering and Construction

Mr. David G. Mongan, P.E., F. ASCE  
President  
American Society of Civil Engineers  
1801 Alexander Bell Drive  
Reston, Virginia 20191

Dear Mr. Mongan:

I commend the American Society of Civil Engineers (ASCE) for taking a leadership position in preparing the professional engineer of the future. The ASCE's "Raise the Bar" Initiative is vital to promoting a higher standard for the engineering profession in the 21<sup>st</sup> century.

The ASCE Policy Statement 465 advocates the attainment of a formalized Body of Knowledge for entry into the practice of engineering at the professional level. It is an essential step towards having engineers at a truly professional level. In today's rapid pace of increased technology, individuals must acquire additional technical and specialty training to be significant contributors and competitors in a global market. In addition, today's engineers must understand more about business, public policy, communications, globalization, life-long learning, ethics, leadership, teamwork, and other professional skills. Engineers must also be able to demonstrate the positive attitudes supportive of the professional practice of engineering.

While demands on engineering curricula have increased, many schools have significantly reduced the credit hours required to earn an engineering degree. This trend is counter to our needs. I share your concern that the body of knowledge necessary to enter the professional practice of engineering in the future is beyond the scope of the traditional four-year ABET/EAC degree coupled with today's pre-licensure on-the-job experience.

Your model of requiring the Bachelor's Plus (Master's degree or approximately 30 coordinated credits of graduate or upper undergraduate level courses) for attainment of the formal educational portion of the Body of Knowledge is logical, practical, and achievable. I support your flexible paths for fulfilling the Body of Knowledge. Your model allows an individual to pursue a formal master's degree program ("M") or to complete approximately "30" semester credits of acceptable courses in technical and/or

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professional practice topic areas. Your model allows the "M or 30" to be accomplished by traditional campus-based courses or by distance learning delivery systems. I agree with this model. I expect that distance learning and independent education programs will become more prevalent in the future for both degree and non-degree granting programs. For all of these reasons, the implementation of Policy Statement 465 is, in my view, a step in the right direction and one that the U.S. Army Corps of Engineers fully supports.

A workforce thoroughly prepared for entry into professional practice can only lead to heightened protection of the public's health, safety, and welfare. Please contact David Pezza, P. E., F. M. ASCE, 202-761-5532, or me if we can be of any further assistance in moving this key initiative forward.

Sincerely,



R. L. Van Antwerp  
Lieutenant General, U. S. Army  
Commanding



Πρυτανεία Τεχνικού Πανεπιστημίου της Καρσρούης

M<sub>1</sub>

Ο Πρύτανης

Επίσημη Γνωστοποίηση

Κανονισμός Σπουδών και Εξετάσεων του Τεχνικού Πανεπιστημίου της Καρσρούης  
για τις Σπουδές επιπέδου Bachelor σε Μηχανολογία

Εκδοθείσα στη Καρσρούη, Με αριθμό πρωτοκόλλου 78/9 Σεπτεμβρίου 2008

## Κεφάλαιο I: Γενικές Ρυθμίσεις

### Άρθρο 1: Σκοπός

1. Ο κανονισμός αυτών σπουδών επιπέδου Bachelor ρυθμίζει την διάρθρωση, τις εξετάσεις και την ολοκλήρωση των σπουδών σε επίπεδο Bachelor σε Μηχανολογία στο Τεχνικό Πολυτεχνείο της Καρσρούης.
2. Οι σπουδές επιπέδου Bachelor οφείλουν να παράσχουν τις επιστημονικές βάσεις και την μεθοδολογική προσέγγιση στο επί μέρους επιστημονικό πεδίο. Σκοπός της σπουδής επιπέδου Bachelor είναι να καταστήσει τους αποφοίτους ικανούς ώστε να μπορέσουν να ολοκληρώσουν με επιτυχία μια επακολουθούσα σπουδή σε επίπεδο Master και να εφαρμόσουν τις αποκτηθείσες γνώσεις στο συναφές επαγγελματικό πεδίο.

### Βιβλιογραφία

1. Amtliche Bekanntmachung, Nr. 78, 9-9-2008, Der Rektor, Universität Karlsruhe (TH), <http://www.zvw.uni-karlsruhe.de/7551.php>
2. Amtliche Bekanntmachung, Nr. 79, 9-9-2008, Der Rektor, Universität Karlsruhe (TH), <http://www.zvw.uni-karlsruhe.de/7551.php>