

SEAUPG 2002 CONFERENCE

Academia Issues

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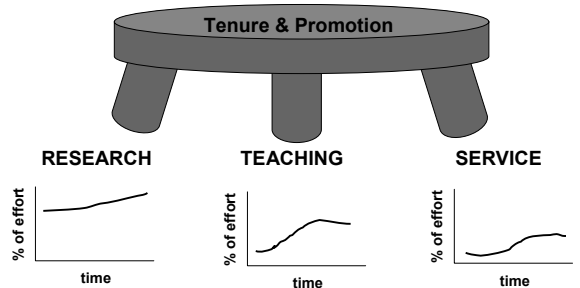
Outline

- The university experience
 - Accreditation
 - Faculty expectations
 - Undergraduate curriculum issues
- How you can help
 - Contractors
 - Agencies
- Final Thoughts

Accreditation

- Many state Boards requiring accredited degree for P.E.
- Overall criteria by ABET
 - Includes comprehensive non-technical issues
- Specific program criteria by ASCE
- 7 recognized emphasis areas in Civil Engr
 - ABET: must be “proficient” in at least 4 areas
- Must include “culminating” design experience

The Engineering Faculty....



KEYS: External Funding + Refereed Publications

Undergraduate Curriculum

School	Semester Hrs Req'd for Bachelor Degree	Req'd Undergraduate Asphalt Course(s)
Univ. of Alabama	131	CE Mtls; Bit. Mtls/Mixes
Univ. of Arkansas	136	CE Mtls; Trans Mtls
Auburn University	134	CE Mtls
Georgia Tech Univ.	128	CE Mtls
Univ. of Florida	131	CE Mtls
Univ. of Kentucky	132	CE Mtls; Bit. Mtls/Mixes
Louisiana St. Univ.	134	Engr Mtls
Mississippi St. Univ.	133	Constr Mtls; P/vmt Mtls/Des
Univ. of Mississippi	130	CE Mtls
Univ. of S. Carolina	128	CE Mtls
Vanderbilt Univ.	126	---
Univ. of Tennessee	135	Constr Mtls

Mr. Contractor: What can you do...?

- Direct funding of research
- Partner with academia for research
- Employ students
 - Internships, Summer jobs
- Provide equipment (grant or loan)
- Provide materials
 - Laboratory (aggregates, binder, etc.)
 - Instructional (publications, CD-ROM, etc.)
 - “Finished” projects for culminating design experiences
- Provide faculty travel fellowships
- Provide visiting faculty / lecturers / field trips
- Lobby university administration

Support your LOCAL University!!

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Mr. Agency: What can you do....?

- Direct funding of research
- Employ students
 - Internships
 - Summer jobs
 - Graduate fellowships
- Provide equipment (grant or loan)
- Provide design examples
- Provide visiting faculty / lecturers / field trips
- Lobby university administration

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