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BRAC Commission

AUG 01 2005

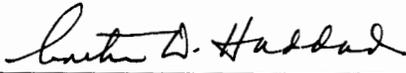
Received

27 July, 2005

2005 Defense Base Closure and Realignment Commission  
2521 So. Clark St. Ste., 600  
Arlington VA 22202

On 7/27/05, I emailed BRAC expressing concern over the possible closing of AFIT. In that email I indicated that I had previously accompanied the accreditation team visiting AFIT for the purpose of accrediting graduate degree programs. I further indicated I would forward attachments that was a copy of my report to the State Board.

These attachments are enclosed.

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Arthur D. Haddad PE PS

STATE OF OHIO



**STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS & SURVEYORS**

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COLUMBUS, OHIO 43215  
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M E M O

TO: Ohio State Board of Registration for Professional Engineers and Surveyors

FROM: Arthur D. Haddad, P.E., P.S., Board Member

DATE: February 3, 1986

SUBJECT: ABET Visit - Air Force Institute of Technology

On January 15 through 17, 1986, I served as an observer representing the Board at the ABET accreditation visit to AFIT. AFIT requested accreditation for the following programs:

1. Aeronautical Engineering, Masters Degree
2. Electrical Engineering, Masters Degree

Visiting ABET team members included:

1. Chairman, Frederick H. Buelow
2. James D. Iversen, Aeronautical Engineering
3. David Jordan, Electrical Engineering
4. Arthur D. Haddad, State Board of Registration for Professional Engineers and Surveyors.

AFIT has discontinued all undergraduate degrees and is concentrating its curriculum on graduate degrees only. The institute offers the following masters degrees in Engineering:

TITLE	NOW ACCREDITED	NOT NOW ACCREDITED	PROPOSED VISITS
Aeronautical Engineering		X	Present
Electrical Engineering		X	Present
Astronautical Engineering	X		Fall '86
Computer Engineering		X	Fall '86
Nuclear Engineering	X		Fall '86
Systems Engineering	X		Fall '86
Engineering Management	X		Fall '86

Memo  
February 3, 1986  
Page Two

Nearly all students are military and are hand picked for this assignment. There are 12 applicants for each position. No student is granted a degree with an engineering title unless they have satisfied ABET criteria, both at the undergraduate and graduate level. Because students are hand picked, the failure rate at AFIT is extremely low, almost non-existent. The students are assigned for a tour of duty and have no outside pressures or normal military duties. This permits them to concentrate on academics. Each program is normally six quarters in duration. Refresher courses are available prior to commencing the program, if needed. Prior to receiving a degree, each student must prepare a thesis. Thesis topics are selected from a list of selected projects compiled from other departments of the Air Force. Many of these are for the purpose of solving a specific problem. The average annual value of these thesis projects represent a total investment of \$14 million if the requesting department head would seek the same report from the private sector.

Faculty is composed of both civilian and military. Nearly all have their Ph.D. degrees. Candidates for military faculty are identified early and placed in a "pipe line". The Air Force finances their Ph.D. degrees in preparation for teaching at AFIT. These military faculty serve a four-year tour of duty at AFIT. The civilian faculty performs most of the research and publication, which is rather extensive. The average teaching load is approximately five and one-half courses per year.

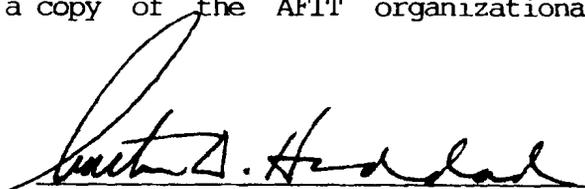
Very few of the graduates sit for the EIT exam. The primary reason is that they have either previously taken the EIT as an undergraduate or feel there exists little need with a military career.

The team was highly impressed with all aspects of the visit. The faculty is exceptional. The labs were outstanding. Support departments were more than adequate and computer facilities similarly exceptional.

The students also have access to other outstanding labs scattered throughout the base.

AFIT has effectively used ABET visits in the past to justify a need in a given area.

I will provide additional information at the February Board meeting. (Enclosed is a list of the accreditation team and a copy of the AFIT organizational structure.)



Arthur D. Haddad, P.E., P.S.

ADH:sk  
encl.