

To Join Us

AFIT Admissions Office

Voice: (937) 255-6234 Ext 3184

DSN: 785-6234 Ext 3184

Toll Free: 1-800-211-5097 Ext 3184

Fax: (937) 255-2791 **DSN:** 785-2791

Website (e-mail form available):

<http://www.afit.edu/en/admissions/index.cfm>

Graduate School Catalog:

<http://www.afit.edu/en/admissions/afitcatalogprospectivestudent.cfm>

****To Apply to AFIT****

1. Review guidance on AFIT Admissions webpage
2. Submit Graduate Application Form
3. Provide your GRE scores
4. Qualified students will receive Letter of Admission
5. Scholarships are available to support non-military funded students



Department of Electrical & Computer Engineering

Department Head

Nathaniel J. Davis IV, PhD
Professor of Electrical Engineering

Executive Business Manager

Yvonne Cherne

Graduate Advisor

Janice Jones



Contact the Department

Call us at: 937-255-2024

Visit our Website

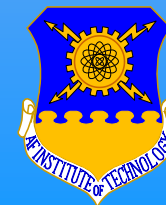
<http://www.afit.edu/en/eng/index.cfm>

Graduate School of Engineering & Management

Department of Electrical & Computer Engineering



Graduate Programs for
AFIT/ENG



AIR FORCE INSTITUTE
of TECHNOLOGY

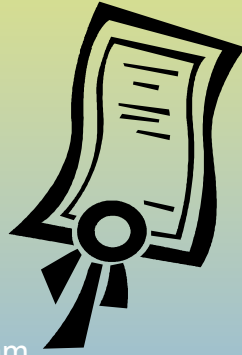
Department of Electrical and Computer Engineering

Degree Programs

- *Computer Engineering, MS, PhD
- *Computer Science, MS, PhD
- *Cyber Operations, MS
- *Electrical Engineering, MS, PhD

Also:

- *IDE Graduate Program
- *Graduate Certificate Programs



Laboratories

- Radar Instrumentation (RAILS) Laboratory
- Radar-Comm Processing Lab
- Center for Cyber Research (CCR)
- Optical Turbulence Estimation, Compensation, and Simulation Lab (OPT ECS)
- VLSI/ MEMS Lab
- Advanced Navigation Technology Center (ANT)
- Cyber ANiMaLs – Cyber Advanced Networking in Mobile Applications Laboratory
- Microelectronics and MEMS Clean Room and Testing Suite
- CS (Radar Cross Section) and Microwave Laboratories

Next stop...



Research

AFIT/ENG Academic Programs

MS

*48 quarter hours of course work, 12 hours allocated to masters thesis.

PhD

*36 quarter hours of course work, 12 hours allocated to doctoral dissertation

Scholarships

DAGSI:

<http://www.dagsi.org/>

- *Graduate Education, MS & PhD
- *Full Tuition

CyberCorp:

<http://www.afit.edu/ccr/CyberCorp/>

- *Available to civilian students only
- *Full Tuition

SOCHE:

<http://www.soche.org>

- *Available to undergraduate and graduate students

Advanced Areas of Research

- *Artificial Intelligence (AI) – theoretical and practical solutions to address research areas in robotics, unmanned vehicles, and agents operating in networking and database domains
- *Communications – research areas include satellite/ground-based communication networks, mobile and ad-hoc networks, digital and spread spectrum communication, non-linear signal processing, waveform coding and diversity, and SAR
- *Electromagnetic & Low Observables – areas of research to include radar cross section reduction, material characterization, guided wave theory, and passive radar and remote sensing
- *Guidance, Navigation, & Control – research areas include adaptive and optimal estimation, autonomous vehicle guidance and control, non-linear flight control, and statistical signal processing
- *Software Engineering & Information Visualization – research areas include image registration, super resolution, advanced imaging for target detection and tracking, optical system design, analysis, and testing, and material science
- *Microsystems – research areas include environmental sensing, VLSI, MEMS, MOEMS, flight control sensors, crystal growth, micro lasers, anti-radar smart skins, and radiation tolerant micro-systems
- *Cyber Operations – extensive research areas in computer networks, wireless systems, SCADA systems, and special purpose computer architectures