



UNITED STATES MILITARY ACADEMY
WEST POINT

Academic Brief



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Academic Affairs and
Registrar Services



- The Academic Program
- What your Cadets are up to
- If your cadet is struggling
- If your cadet needs more of a challenge
- Questions



“In recent years the lines separating war, peace, diplomacy, and development have become more blurred, and no longer fit the neat organizational charts of the 20th century. All the various elements and stakeholders working in the international arena – military and civilian, government and private – have learned to stretch outside their comfort zones”

Former U.S. Secretary of Defense Robert Gates
5 July 2008

Vision: West Point **educates** and **inspires** leaders of character who are **critical thinkers**, internalize their **professional identity**, and **employ their education to help** build the Army and the Nation’s future.





The Overarching Academic Goal: Graduates integrate knowledge and skills from a variety of disciplines to anticipate and respond appropriately to opportunities and challenges in a changing world.

- **Communication:** Graduates communicate effectively with all audiences.
- **Critical Thinking and Creativity:** Graduates think critically and creatively.
- **Lifelong Learning:** Graduates demonstrate the capability and desire to pursue progressive and continued intellectual development.
- **Ethical Reasoning:** Graduates recognize ethical issues and apply ethical perspectives and concepts in decision making.
- **Science, Technology, Engineering, and Mathematics:** Graduates apply science, technology, engineering, and mathematics concepts and processes to solve complex problems.
- **Humanities and Social Sciences:** Graduates apply concepts from the humanities and social sciences to understand and analyze the human condition.
- **Disciplinary Depth:** Graduates integrate and apply knowledge and methodological approaches gained through in-depth study of an academic discipline.



- Curriculum

- Core
- Majors
- Minors
- Enrichment experiences

- Strengths

- Small class sizes
- Accessible Faculty*
- Outreach
- Connection to Army
- Support Programs





Core (16 courses)

1. Chemistry 1
2. Physics 1
3. Chemistry 2, Physics 2 or Biology
4. Math (Modeling)
5. Math (Statistics)
6. Math (Calculus)
7. IT, Computing, and Cyber 1
8. IT/Cyber 2, Science or Math
9. History 1 (U.S.)
10. Composition
11. Literature
12. Philosophy & Ethical Reasoning
13. Psychology
14. Economics
15. Political Science
16. International Relations

Core Culture/Region Thread (4 courses)

17. Foreign Language 1
18. Foreign Language 2
19. History 2 (Region)
20. Physical Geography

Core Mil Profession Thread (4 courses)

21. History 3 (Mil Art)
22. Leadership
23. Law
24. Officership (MX400)

Overarching Academic Goal

Graduates integrate knowledge and skills from a variety of disciplines to anticipate and respond appropriately to opportunities and challenges in a changing world.

Curriculum Highlights

- Broad **liberal education** teaching a variety of modes of thought
- **Military Officership** integrates the academic and military curricula
- Cadets choose among 37 possible **majors** with at least 10 base courses
- **Complementary Support Courses** enrich and supplement the major, providing broad understanding of their major in a diverse context
- **Threads** scaffold development and facilitate integration:
 - Culture/Region
 - Professional Military
 - West Point Writing Program
 - Gender, Sexuality, and Respect
 - Cyber

Engineering Sequence (3 courses)

25. Engineering Sequence course 1
26. Engineering Sequence course 2
27. Engineering Sequence course 3

Major (10 courses)

28. Major course 1
29. Major course 2
30. Major course 3
31. Major course 4
32. Major course 5
33. Major course 6
34. Major course 7
35. Major course 8
36. Major course 9
37. Major course 10 – Integrative Exp

Complementary Support (3 courses)

38. Complementary Support Course 1
39. Complementary Support Course 2
40. Complementary Support Course 3

Other Required Courses

- 3 x Military Science (total 4.5 CH)
- 7 x Physical Education (total 5.5 CH)



Teaching



Scholarship



Service



Faculty Development



Cadet Development

Rotating Military 55%

Civilian Faculty 27%

Senior Military 18%



Conferences



Hon. Madeleine Albright
2015 Student Council on US Affairs

Guest Speakers



Pres. Clinton & Former 1CPT Eugene Coleman

Clubs



Model United Nations

Field Trips



History Department's staff ride
Omaha Beach, Normandy, France

Semester Abroad



Cadet Studying abroad in China

AIADS



Civil Engineering AIAD to Rome



- www.westpoint.edu/academics

Search West Point...

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West Point Academics

ADMISSIONS ACADEMICS MILITARY ATHLETICS COMMUNITY NEWS ABOUT US

HOME
RECENT NEWS
NEW CADET FAQs

Welcome to the Office of the Dean

Important Cadet Links

- IAD(a)s Summer Accountability:
Cadet Sign-in
- AP Opportunities**

The United States Military Academy at West Point is accredited by the Middle States Commission on Higher Education, which is the accreditation granting unit of the of the Middle States Association of Colleges and Schools.

USMA was first accredited by Middle States in 1949 and has been reaccredited each successive decade. The last Middle States accreditation site visit occurred in 2010. Information on Middle States, their standards for accreditation, and member institutions is available at: <http://www.msche.org>

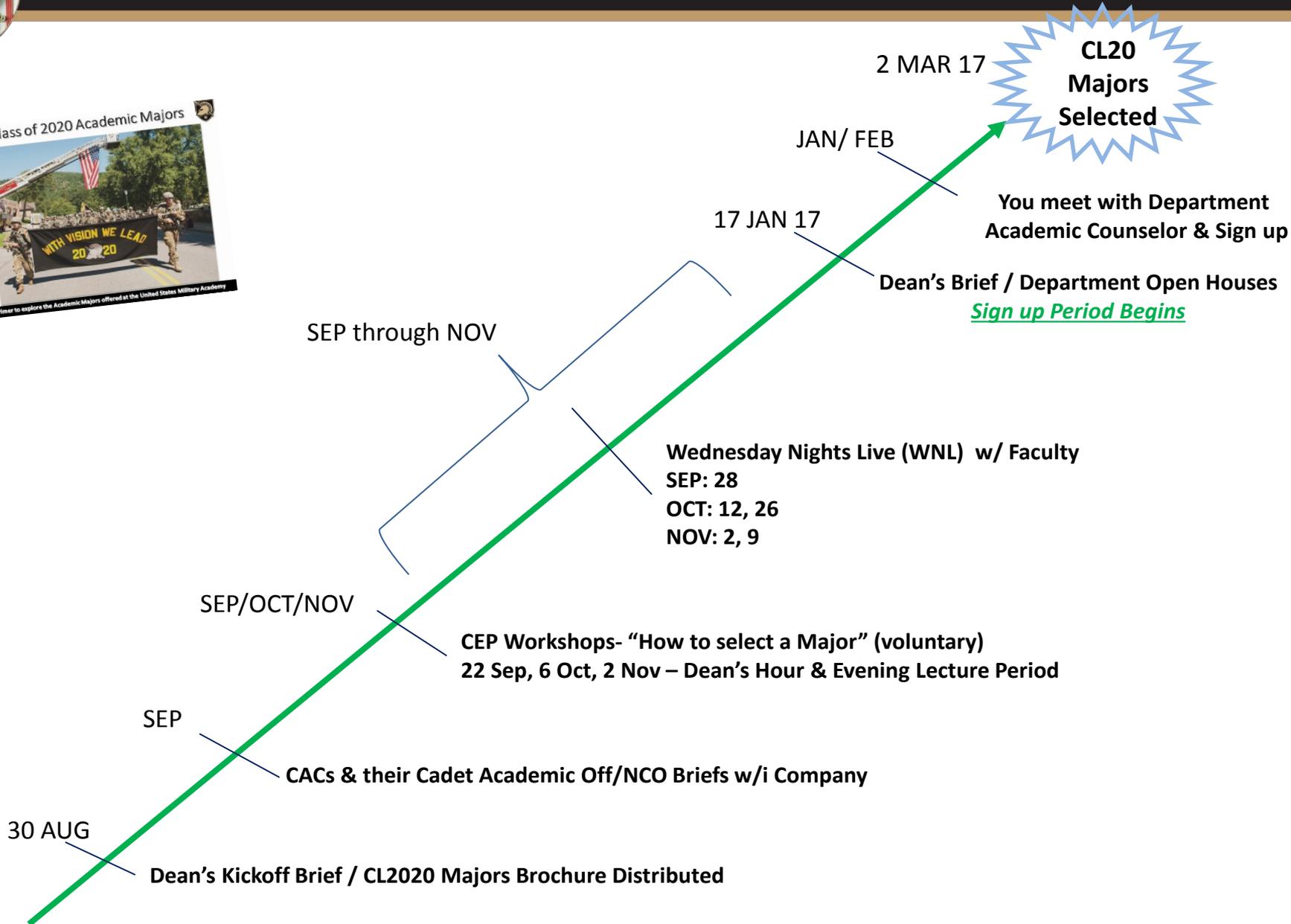
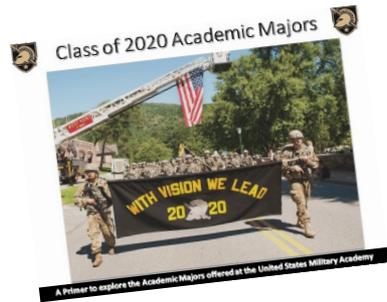
At the United States Military Academy programs in Civil Engineering, Electrical Engineering, Engineering Management, Environmental Engineering, Mechanical Engineering, Systems Engineering, and Nuclear Engineering are accredited by the Engineering Accreditation Commission of ABET; programs in Computer Science and Information Technology are accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>.



- ❖ Class of 2017 - working on Capstone Courses / upper level major courses
- ❖ Class of 2018 - Getting into their Major Courses
- ❖ Class of 2019 - Finishing many of their Core Course/ Starting their Major
- ❖ Class of 2020 – Starting with Core Courses, thinking about a Major



Key Dates CL2020





Behavioral Sciences & Leadership

Engineering Psychology
Management
Psychology
Sociology

Chemistry & Life Science

Chemical Engineering
Chemistry
Life Science

Civil & Mechanical Engineering

Civil Engineering
Mechanical Engineering

English & Philosophy

English
Philosophy

Electrical Engineering & Computer Science

Computer Science
Electrical Engineering
Information Technology

Foreign Languages

Foreign Area Studies
Arabic
Chinese
French
German
Portuguese
Russian
Spanish

Geography & Environmental Engineering

Environmental Engineering
Environmental Science
Geography: Human-Environment
Geography: Human
Geography: Physical
Geospatial Information Science

Military Instruction

Defense and Strategic Studies

Physical Education

Kinesiology

History

History: International
History: Military
History: United States

Law

Law and Legal Studies

Mathematical Sciences

Mathematical Sciences
Operations Research (with Systems Engr)

Physics & Nuclear Engineering

Interdisciplinary Science
Nuclear Engineering
Physics

Social Sciences

Economics
Political Science: American Politics
Political Science: Comparative Politics
Political Science: International Relations

Systems Engineering

Engineering Management
Systems and Decision Sciences
Systems Engineering



Electrical Engineering & Computer Science

Cyber Security Minor

Foreign Languages

Regional Studies Minor

Mathematical Sciences

Applied Statistics Minor
Network Science Minor

Physics & Nuclear Engineering

Nuclear Technology and Policy Studies Minor

Social Sciences

Terrorism Studies Minor
Grand Strategy Minor

Departments may develop additional
minors using new guidelines

**Communities of Interdisciplinary Studies
&
Opportunities to engage in another field**



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Resources

What if your Cadet is struggling?



- **Center for Enhanced Performance**
- **First Year and Beyond**
- **Tutor Program**
- **Writing Center**
- **Scholarship Program**
 - **Thayer Honors**
 - **Project EXCEL**





COLLABORATIONS

- Plebe Course Directors' Group
- Seminars for cadets (Physics)
- Math 100, English 101
- Departmental requests/needs

CEP TUTOR PROGRAM

- CRLA Tutor Certification
- TEE Prep – Department Resources & Cadet-led Study Sessions

COURSES

- RS101: Student Success Course
- RS102: Reading Efficiency Course
- RS103: Information Literacy & Critical Thinking

INDIVIDUALIZED SUPPORT

- Individual Cadet Appointments to provide Academic Skills Training
- Student Athlete Counselor





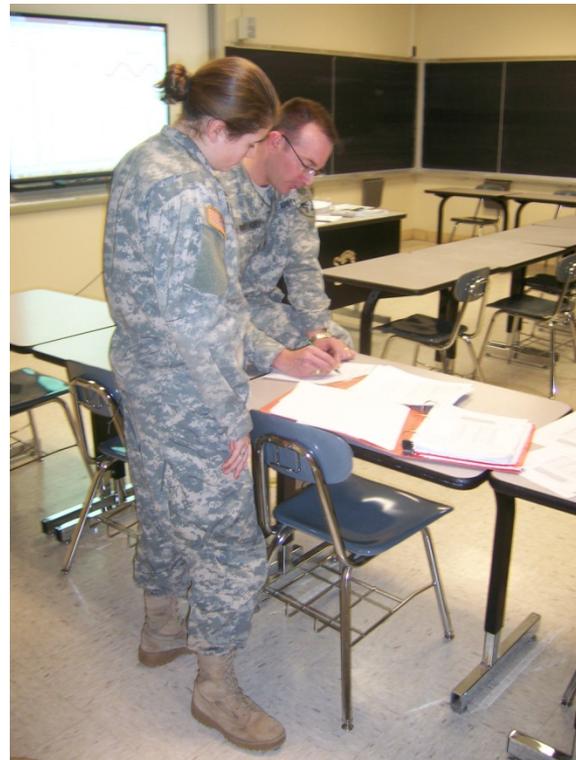
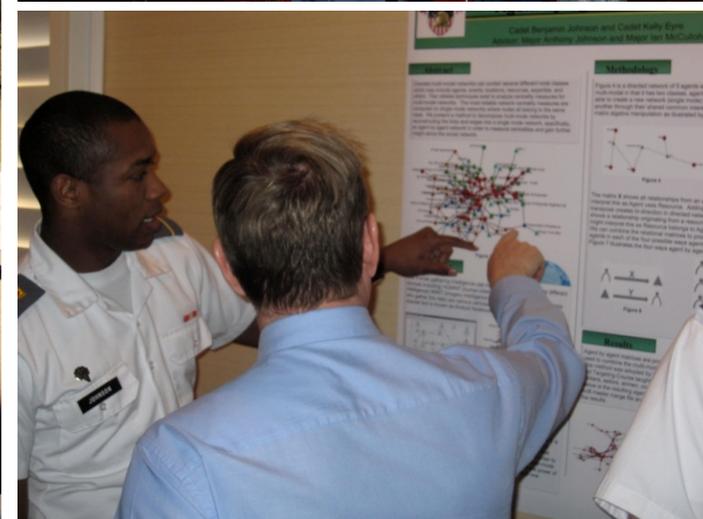
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Resources

What if your Cadet needs more of a challenge?



- Independent Studies
- Academic Individual Advanced Development (AIAD)
- Research
- Service Learning Projects





Study Abroad Term 17-1: 105 Cadets

9 Mil. Academies

18 Countries

International Summer Enrichment: 359 Cadets

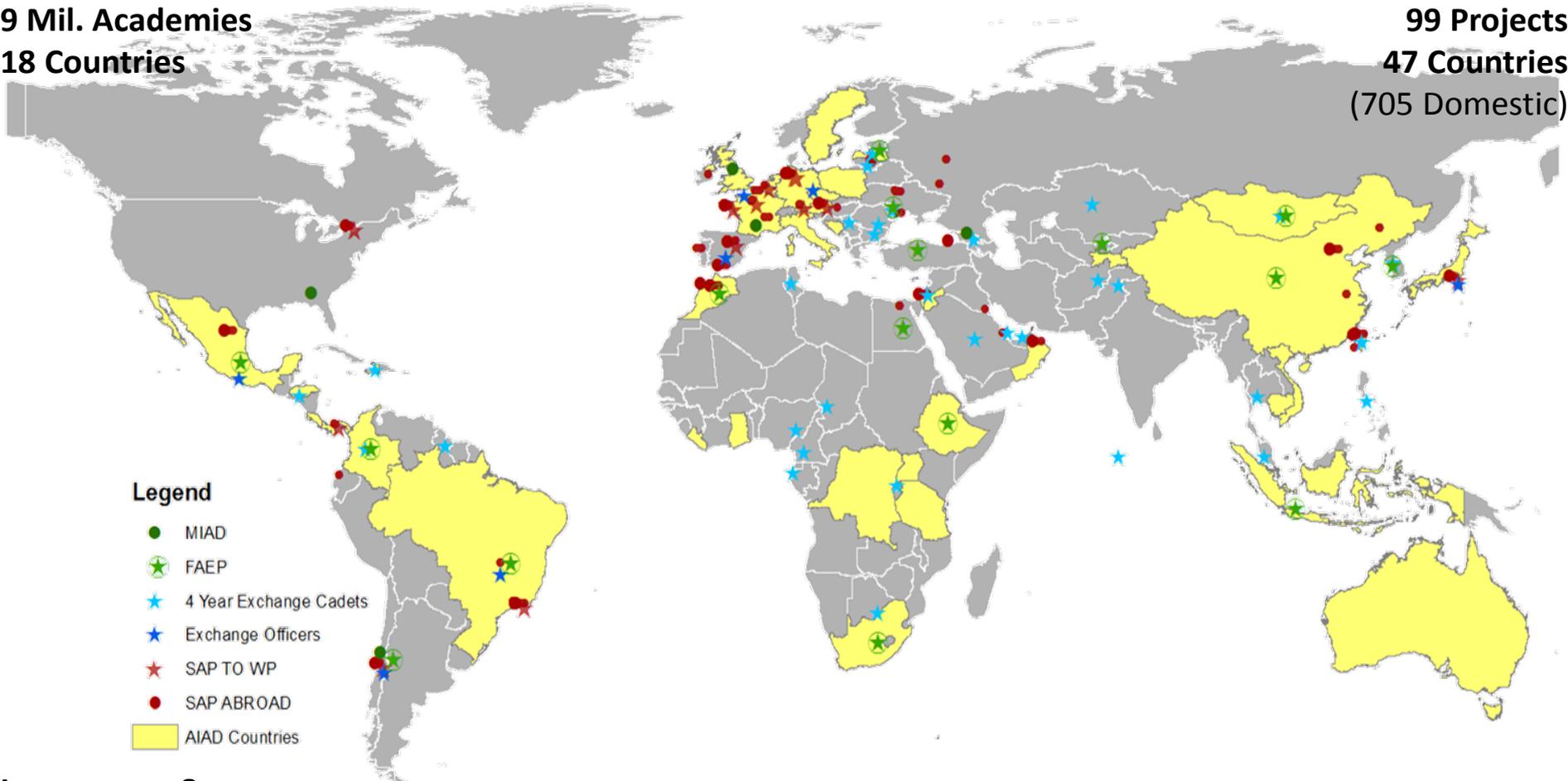
99 Projects

47 Countries

(705 Domestic)

Legend

- MIAD
- ★ FAEP
- ★ 4 Year Exchange Cadets
- ★ Exchange Officers
- ★ SAP TO WP
- SAP ABROAD
- AIAD Countries



Languages: 8

**Arabic, Chinese,
French, German, *Persian*,
Portuguese, Russian, Spanish**

**International
Cadets: 57**

Military Faculty: 8

**Brazil, Chile, *Japan*,
Germany (2), Mexico, Spain, UK**



- Cadet Advanced Science and Technology Learning Environment (CASTLE) [CLS]
- Center for Advancement of Leader Development & Organizational Learning (CALDOL) [O/Dean]
- Center for Combating Terrorism (CTC) [SOCS]
- Center for Environmental and Geographical Sciences [GENE]
- Center for Holocaust and Genocide Studies (CHGS) [HIST]
- Center for Innovation and Engineering [CME]
- Center for Languages, Cultures, and Regional Studies (CLCRS) [DFL, GENE]
- Center for Leadership and Diversity in STEM [Math]
- Center for Molecular Science (CMS) [CLS]
- Center for Nation Reconstruction and Capacity Development (NRCD) [SE]
- Center for Oral History [History]
- Center for Physical Development Excellence (CPDE) [DPE]
- Center for STEM Education (CSE) [CME]
- Center for the Rule of Law [Law]
- Center for the Study of Civil-Military Operations (CSCMO) [GENE]
- Cyber Research Center (CRC) [EECS]
- Mathematical Sciences Center of Excellence (MSCE) [Math]
- Network Science Center (NSC) [BSL, EECS]
- Office of Economic and Manpower Analysis (OEMA – Army G1) [SOCS]
- Operations Research Center (ORCEN) [Math, SE]
- Photonics Research Center (PRC) [CLS, EECS, PNE]
- West Point Leadership Center [BSL]
- West Point Simulation Center (WPSC) [DMI]





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Thayer Honors Program

The Thayer Honors Program supports the Academy's and the Army's strategic priorities

A Community of Academic Excellence

It is focused on small, rigorous learning communities includes enhanced classroom settings

Experiential Learning Opportunities

Out-of-classroom experiences that extend academic studies.

An Incubator for Innovation

Increased opportunities for interdisciplinary research

Outcome - Cadets emerge from this program with greater intellectual vigor and the skill set needed to tackle the complex challenges faced by today's Army officers.



- Culture of Winning



Army-Navy Debate, Dec 2015



**Distinguished Cadet Award Recipients
Dean's Star**



Winners, NSA's Cyber Defense Exercise



Projects Day 2016



1st Place MIT Soldier Design Competition



Class of 2016 Graduation



Graduate Scholarship Winners

Class of 2016



DREW BECKMANN
East West



ALEX PARRA
Schwarzman



JONATHAN RICHARDS
GEM



LISA JONES
Churchill & NSF



MICHAEL WESTROM
Rotary



MARC SAMLAND
Lincoln Labs Fellowship NSF



JOSEPH BRODERICK
Schwarzman



GABRIEL BECK
DAAD



JONATHAN SPIRNAK
Lincoln Labs Fellowship



BENJAMIN BARCLAY
Lincoln Labs Fellowship



BLAKE BEQUETTE
Draper Lab Fellowship



AUSTIN HERRLING
Draper Lab Fellowship



ROBERTS NELSON
Lincoln Labs Fellowship



REGINA PARKER
Schwarzman



JINNY YAN
Lincoln Labs Fellowship



AMOS LEE
Fulbright

2016
26 Scholarships
24 Recipients

20 members of 2016
will attend medical
school



MICHAEL AUTEN
Fulbright



NEAL EICHENBERG
Lincoln Labs Fellowship



COLBY HYDE
Fulbright



WILLAHELM WAN
Lincoln Labs Fellowship



IAN MAULDIN
Marshall



MEGAN McNULTY
Mitchell



ALFRED McQUIRTER
GEM

USMA National
Rankings
Hertz: 4th (39 total)
Rhodes: 5th (94 total)
Truman: 6th (35 total)
Marshall: 7th (37 total)

Questions?

