Homeland Security Education: The Current State

and

The Naval Postgraduate School, Center for Homeland Defense and Security

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Director, Partnership Programs
Homeland Security Education - Background

- Academia has a history of supporting national efforts
  - WWII – Manhattan Project
  - Cold War – National Security Affairs, Area Studies, Language Programs

- No HLS/HLD Academic Programs Prior to 9/11

- New agencies and policies spawned academic requirements and academic action

Department of Homeland Security
  - DHS National Preparedness Directorate, FEMA (formerly Grants and Training) opted for the Naval Postgraduate School
  - Research Centers of Excellence Program
  - Homeland Security Academy and numerous new efforts by CLO

Department of Defense (US Northern Command)
  - University of Colorado graduate level certificate program
  - Developed the Homeland Security/Defense Education Consortium or HSDEC
Homeland Security Education Survey Project

Conducted on behalf of HSDEC, Feb 2007

Homeland Security Programs: 114 Degree Programs, 101 Certificate/Other Programs, and Growing!

- Associates Degrees: 26 (A.A.: 0; A.S.: 26)
  - Most Common Courses: EM (12 of 26); HLS (7 of 26)
- Baccalaureate Degrees: 36 (B.A.: 7; B.S.: 26; Applied Studies: 3)
  - Common Required Courses: Emer. Planning (12 of 36); HLS (8 of 36)
- Masters Degrees: 49 (M.A.: 14; M.S.: 30; Other: 3 MPA/MPS/MBA)
  - Common Required Courses: HLS (8 of 49); EM (8 of 49)
- PhD Degrees: 3 – Varied Concentrations, Individually Tailored
Homeland Security Education Survey Project - Findings

- Degree name not necessarily indicative of underlying courses
- Programs that pre-existed 9/11 have subsequently been renamed homeland security (Nexus to homeland security is suspect in some cases)

Progress
- The field is becoming recognized as a legitimate area of study
- Homeland security academic field is quickly growing
- Academic collaboration is starting to occur with frequency

Challenges
- Accreditation (Coming soon through the HSDECA)
- Program standards
- Quality of instruction
- Qualified Faculty
Homeland Security/Defense From an Academic Perspective

Multiple Disciplines:
- Law Enforcement
- Health
- Intelligence
- International Relations
- Engineering
- Social Sciences
- History
- Psychology
- Business
Etc, etc, etc....
Homeland Security/Defense Education Consortium Recommendations

- Legal/Ethical Considerations
- Asymmetric Thinking
- Balancing Civil Liberties/Privacy
- Interagency Communications/Cooperation

Current and Emerging Threats

Context and Organizations

Policies, Strategies, and Legal Issues

Processes and Management

Practical Application
- Practicum
- Critical Thinking

Other Areas
- Leadership
- M&S
- Culture
- Statistics
- Mental Health
NPS/CHDS Curriculum

- Semester 1
  - Intro to HLS; Asymmetric Conflict

- Semester 2
  - Technology in HLS; Intelligence (Organization and Policy Challenges)

- Semester 3
  - Critical Infrastructure Protection; Special Topics (i.e. Border Security, Public Health)

- Semester 4
  - Multidisciplinary Approaches to HLS; Comparative Government for HLS

- Semester 5
  - Planning and Budgeting for HLS; Psychology of Fear Management and Terrorism

- Semester 6
  - Knowledge Into Practice (Capstone); Thesis Research
Sample Courses Nationwide

Certificates – Typically 4-6 Courses; Masters Degree – Typically 12 Courses

Courses:

- Overview of Homeland Security/Defense
- Changing Nature of National Security
- Critical Infrastructure Protection
- Emergency/ Disaster Planning
- American Government and Policy Making
- HLS Civil Society and Human Rights
- Public-Private HLS Partnerships (Business)
- Intergovernmental/ Interagency Relations

- Fundamentals of Terrorism
- Understanding the Threat
- Criminal Justice/Legal Issues
- Risk Assessment and Analysis
Sample Programs

- **Univ. of Colorado/Col Springs**, Graduate Level Certificate, residence/DL (4 courses) (and forthcoming MA)
  - Introduction to Homeland Defense
  - Interagency Operations
  - Understanding the Threat
  - Critical Infrastructure Protection

- **East Carolina Univ.** Graduate Certificate in Security Studies, DL (5 courses)
  - Intergovernmental/Interagency Relations
  - National Security Criminal Justice
  - Global Terrorism Disaster Planning
  - Environmental Health

- **Univ. of Massachusetts**, Graduate Certificate in Homeland Security, (4 Courses)
  - Criminal Justice focus; designed for personnel public safety, security management, and law enforcement; executives in corporations responsible for overseeing in-house security programs
Are There Jobs?

YES!

DIRECTOR OF HOMELAND SECURITY, CITY OF PLANO, TEXAS

(Starting Salary from the mid $70’s to 110,000, D.O.E.) The Director of Homeland Security (DHS) is a new position created to emphasize the critical nature of the community’s security needs...will direct all aspects of the City’s emergency preparedness and response efforts...work cooperatively with the Chiefs of Plano’s Police and Fire Departments, other city officials, and agencies at local, state, federal levels...maintain/revise the City’s Emergency Operations and Hazard Mitigation Action Plans...coordinate training and readiness...manage the Emergency Operations Center...coordinate response to actual emergencies and disasters...direct a staff of four and manage an Operating Budget of $360,000.
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<td>Industry</td>
<td>2002</td>
<td>2012</td>
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<td>Emergency Management Specialists</td>
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<td>14,040</td>
<td>3,092</td>
<td>28.2</td>
<td>9,800</td>
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**Source of Information:** US Department of Labor

Are There Jobs?

The Center for Domestic Preparedness in Anniston, Alabama (Office for Domestic Preparedness, Department of Homeland Security) estimates that “there are more than 11 million emergency responders and other personnel in this country that would need training to deal with terrorist incidents.”

RECENT DENVER POST ARTICLE - Northrop Grumman, the aerospace and defense conglomerate, is expected to expand its Aurora campus by hiring 350 employees to work on about 30 homeland security-related contracts. Annual salaries will average $80,000.
Are There Jobs?

Per *Occupational Outlook Quarterly*, it is one of the fastest growing areas with jobs in:

- Business Continuity, Transportation
- Critical Infrastructure Protection, Health Care
- Intelligence Analysis
- Cyber Security
- Border Occupations
- Banks, Physical Security
- Utilities, Technology
- And…every level of government
Center for Homeland Defense and Security - Mission

To strengthen the national security of the United States by providing graduate level educational programs that meet the immediate and long-term leadership needs of organizations responsible for Homeland Defense and Security
CHDS Programs

Masters Degree
- Primarily State and Local Students
- On “Scholarship” from DHS (Grants and Training)
- 64 students (4 cohorts of 16) Each Year (from applicant pool of 2600 per class)
- Hybrid Program (in residence followed by DL)
- 30 Faculty/50 Staff
- National Capital Region Cohort
CHDS Programs (cont.)

Executive Education – In-Residence
- Began Aug. 2006
- 4 one week in residence sessions over 12 months
- Fills gap between MET and Masters program

Mobile Education Teams
- Provide seminars to strengthen US capability for HLS
- Primary focus on governors, mayors and senior HLS staffs
- 2000+ elected and senior leaders have attended
CHDS Programs (cont.)

- Homeland Security Digital Library
  - Nation’s premier collection of HLS material
  - Content gathering and summation teams

- Homeland Security Affairs Journal (www.hsaj.org)
  - Open Access electronic journal
  - Focus on policy, strategy, technological applications and best practices

- University and Agency Partnership
University and Agency Partnership Initiative

- Support the nationwide development of Homeland Security education programs at all levels
- Leverage DHS investment in CHDS programs—create a “multiplier effect”
  - Vastly increase the number of students receiving HS education
  - Share all material developed for the CHDS Masters Program and library
  - Develop a community of practice through on-line forum
  - Conduct national level conferences
- Develop a cadre of scholars and senior policy-makers in all sectors dedicated to the establishment of HS as an academic discipline
- Identify and address critical research needs throughout the Homeland Security and Homeland Defense Communities
Partners (currently 100+ members)

- University of Connecticut
- Long Island University
- University of Washington
- University of New Hampshire
- University of Mississippi
- Duke University
- Chaminade
- Virginia Tech
- University of Colorado, Colorado Springs
- University of Maryland
- NYU
- Auburn
- University of Alabama
- Purdue
- Eastern Carolina
- US Coast Guard Academy
- Homeland Security/Defense Education Consortium
- Penn State
- Western Carolina
- LSU
- Eastern Kentucky University
- University of Akron
- FBI Academy
- Ohio State University
- University of Maine
- US Army War College
- University of Denver
- Massachusetts and California Maritime Academies
Conclusions

- Academia and government have undertaken significant effort to educate the workforce for today’s political environment
- Homeland Security education is growing and gaining legitimacy
- HSDEC and CHDS have taken lead roles in academic and workforce development
- The multidisciplinary nature of the field is recognized and reflected in academic programs
- There are lots of choices for education at every level
- Jobs are there!
Questions?

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