



APG Overview

19 April 2011

Key Takeaways



APG has transformed into the Army's center of gravity across a broad spectrum of mission areas that support the Warfighter.

Team APG Strengths

Provides invaluable contributions via a highly skilled workforce through Research, Development and Engineering, Medical Research, Chem-Bio, C4ISR, and Test and Evaluation

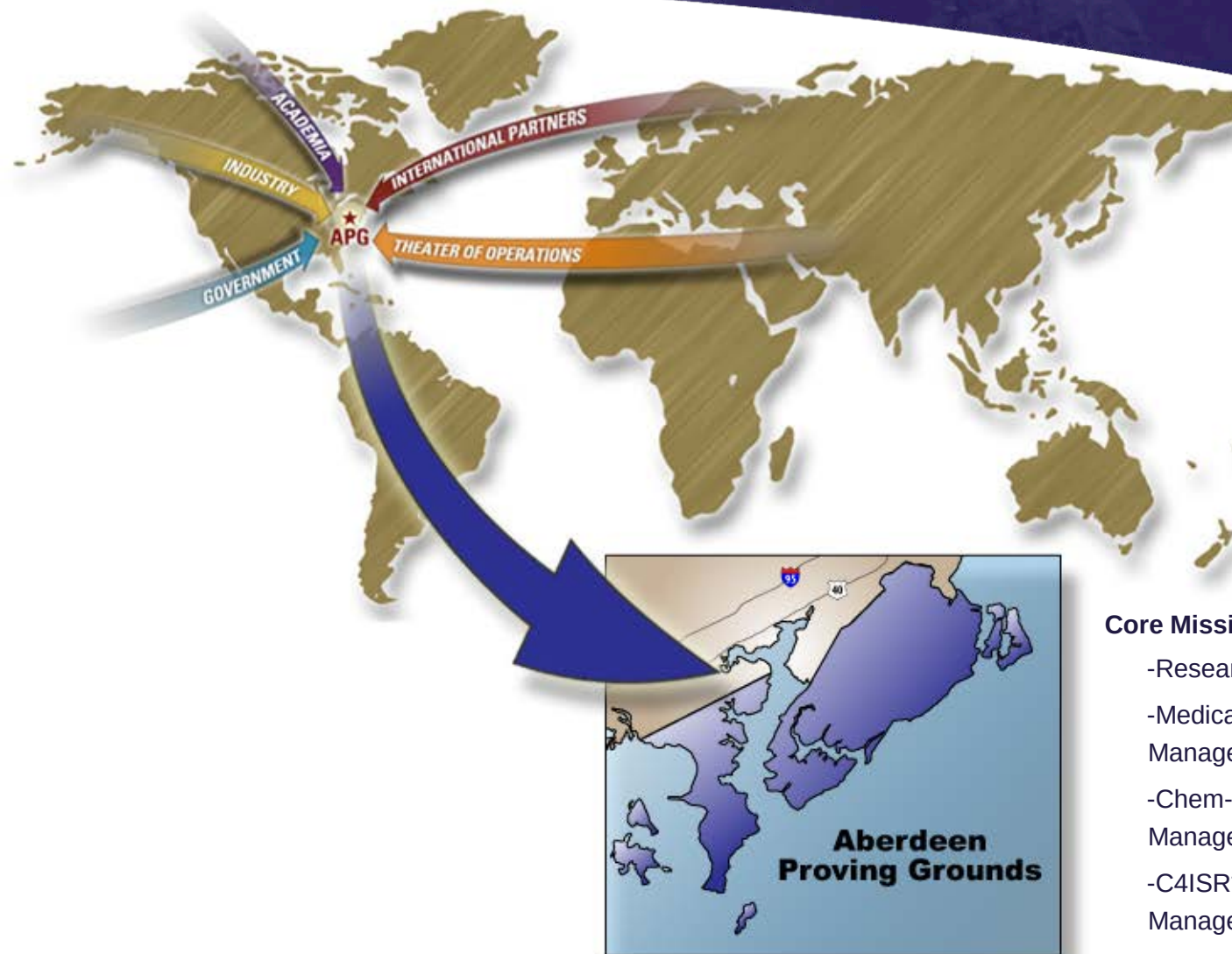
Foster partnerships with local and national industry as well as regional academia at all levels

Demonstrates astute environmental stewardship of Maryland's Chesapeake watershed

Enables American Warfighter capability while serving as a beacon of regional stability and progress



International Hub of Science, Technology and Engineering



Core Mission and Support Areas

- Research, Development and Engineering
- Medical Research and Program Management
- Chem-Bio Research and Program Management
- C4ISR* Research and Program Management
- Testing and Evaluation
- Installation and Facility

*Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance

-Partnerships

Incoming/Outgoing Organizations



INCOMING

Army Team C4ISR

Fort Monmouth, NJ
Fort Belvoir, VA
Redstone Arsenal, AL
Fort Huachuca, AZ

Defense Threat Reduction Agency

Fort Belvoir, VA

Joint Program Executive Office for Chemical and Biological Defense

Falls Church, VA

Walter Reed Army Institute of Research

Medical Research Materiel Command
(Forest Glenn Annex)

Army Research Institute

Fort Knox, KY

U.S. Army Research Laboratory, Vehicle Technology Directorate

Langley, VA and Glenn, OH

Non-Medical Chem/Bio Defense Research

Brooks City Base, TX

U.S. Army Test and Evaluation Command/ Army Evaluation Center-South

Alexandria, VA



OUTGOING

389th Army Band (AMC's Own)

Redstone Arsenal, AL

Pre-Deployment/ Mobilization Mission

Fort Dix, NJ (Mission Only)

U.S. Army Ordnance Center and School

Fort Lee, VA

Army Environmental Command

Fort Sam Houston, TX

APG Infrastructure - Yesterday



Diverse Facilities Totaling over 14M SF

Office/Administrative - 2.5M SF

Training Facilities - 1.4M SF

Warehouses - 2.7M SF

Community Centers - 0.7M SF

Barracks & Family Housing - 3.1M SF

Airfields

- Weide Army Aviation Support Facility (Rotary Wing)
- Phillips Army Airfield (Fixed/Rotary Wing)

Major Laboratory Buildings

- Supercomputing Center
- 8 Medical Research
- 10 Chemical and Biological
- 2 Physics
- 5 Human Engineering
- 1 Materiel Research

Experimental and Test Facilities

- 42 Miles of Automotive Test Track
- 196 Firing Positions
- Roadway Simulator

High Technology Infrastructure - Today



BRAC 1995
ARL Rodman Building – APG-North



- Laboratories
- High-Performance Computing
- Prototype Integration
- Clean-Room Facilities
- Environmental Chambers
- Test Facilities

BRAC 2005
C4ISR Complex Phase I – APG-North



CONGRESSIONAL ADD
ECBC Sample Receipt Facility – APG-South



APG Infrastructure - Today



Additional 2.8M SF of Facilities

Army Team C4ISR Phase 1

- Construction of approximately 1.5M SF of facility
- Building occupancy began Aug 2010

Army Team C4ISR Phase 2

- Combination of new construction & reuse of ~1M SF of facility
- C2/CNT East - Building occupancy began Mar 2011
- Consolidated North - Building occupancy began Mar 2011
- Bldg 5100 - Building occupancy began Mar 2011
- JSEC - Phased occupancy Mar - May 2011
- Integration Facility - scheduled completion Jul 2011

ARL-VTD

- 35,000 SF of new construction
- Building occupancy scheduled for Jun 2011

ATEC Headquarters

- 142,000 SF of new construction
- Building Occupancy scheduled for Aug 2011

JPEO - Chem Bio Defense

- 75,000 SF of new construction
- Building occupancy scheduled for Aug 2011

MRICD & Chem Bio Def Lab

- 526,000 SF of new construction
- Replaces existing lab facilities and additional space for BRAC relocation
- Building occupancy scheduled for Jan 2014

Research, Development & Engineering



US Army Research, Development and Engineering Command

Mission:

Empower, unburden, and protect the Warfighter to enable the dominance of the Army.

Vision:

To be the Army's primary source for integrated research, development and engineering capabilities.

Supporting APG Elements:

- Army Materiel Systems Analysis Activity
- Army Research Laboratory
- Communications-Electronics, Research, Development and Engineering Center
- Edgewood Chemical Biological Center



Medical Research and Public Health



US Army Public Health Command

The mission of the Army Public Health Command is to promote health and prevent disease, injury, and disability of Soldiers and military retirees, their Families, and Department of the Army civilian employees; and assure effective execution of full spectrum veterinary service for Army and Department of Defense Veterinary missions.

Medical Research and Materiel Command- Medical Research Institute of Chemical Defense

The Army Medical Research and Materiel Command is the Army's medical materiel developer, with responsibility for medical research, development, and acquisition and medical logistics management.

The Medical Research Institute of Chemical Defense discovers and develops medical countermeasures to chemical warfare agents for US military and US citizens.



Chem-Bio Research and Program Management



Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD)

JPEO-CBD is the single focal point for research, development, acquisition, fielding and life-cycle support of chemical and biological defense equipment and medical countermeasures.

Within the JPEO, nine Joint Project Managers lead, manage and direct the acquisition and fielding of chemical and biological detection and reconnaissance systems, individual and collective protection systems, decontamination systems, information management systems, medical devices, drugs and vaccines, and installation and force protection systems.



C4ISR Research and Program Management



Mission

The CECOM Life Cycle Management Command Develops, Acquires, Fields, Supports and Sustains Superior Command, Control, Communications, Computers, Intelligence, Surveillance, Reconnaissance (C4ISR*) and Information Systems for the Joint Warfighter.

An Interdependent Life Cycle Management Team

The CECOM LCMC and Army Team C4ISR are comprised of independent and inter-dependent organizations that are collectively responsible for the life cycle of C4ISR systems. These organizations include:

Team C4ISR

- Communications-Electronics Command
- PEO for Command, Control and Communications Tactical
- PEO for Intelligence, Electronic Warfare and Sensors
- Communications Electronics Research, Development and Engineering Center



*Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance

Testing and Evaluation



Army Test and Evaluation Command

Mission:

ATEC plans, conducts, and integrates developmental testing, independent operational testing, independent evaluations, assessments, and experiments in order to provide essential information to decision makers.

Vision:

An ATEC that is the premier test and evaluation organization within DoD—valued by customers and decision makers for providing essential information that ensures war-fighters have the right capabilities for success across the entire spectrum of operations.

Supporting APG Elements:

- Developmental Test Command
- Army Evaluation Center
- Operational Test Command



Partnerships



CRADA Signing Ceremony at the University of Maryland, September 2010



Students engage with Army Scientists at an Army Educational Outreach Program

University Affiliated Research Centers (UARCs)

Systems Engineering Research Centers (SERCs)

Cooperative Research and Development Agreements (CRADAs)

Initiatives in Science, Technology, Engineering and Mathematics (STEM)

Enhanced Use Lease Facilities (EULs)

Population Breakdown



APG Population in 2011	
U.S. Army Civilians	11, 549
Contractors** (Beacon Study)	5,703
Other*** (Beacon Study)	3,272
TOTAL	20,524

**** It is important to note that the number of contractors above refers only to embedded contractor staff (inside the gate). Additional contractors are located outside the confines of APG and estimates of their numbers range from 10,000 to 20,000 or more.**

*** ** Other = Other Federal Agencies, State/Local Government Employees, Vendors, Non-Appropriated Fund Employees, Foreign Government Liaisons, Students, and Other DOD Civilians –**

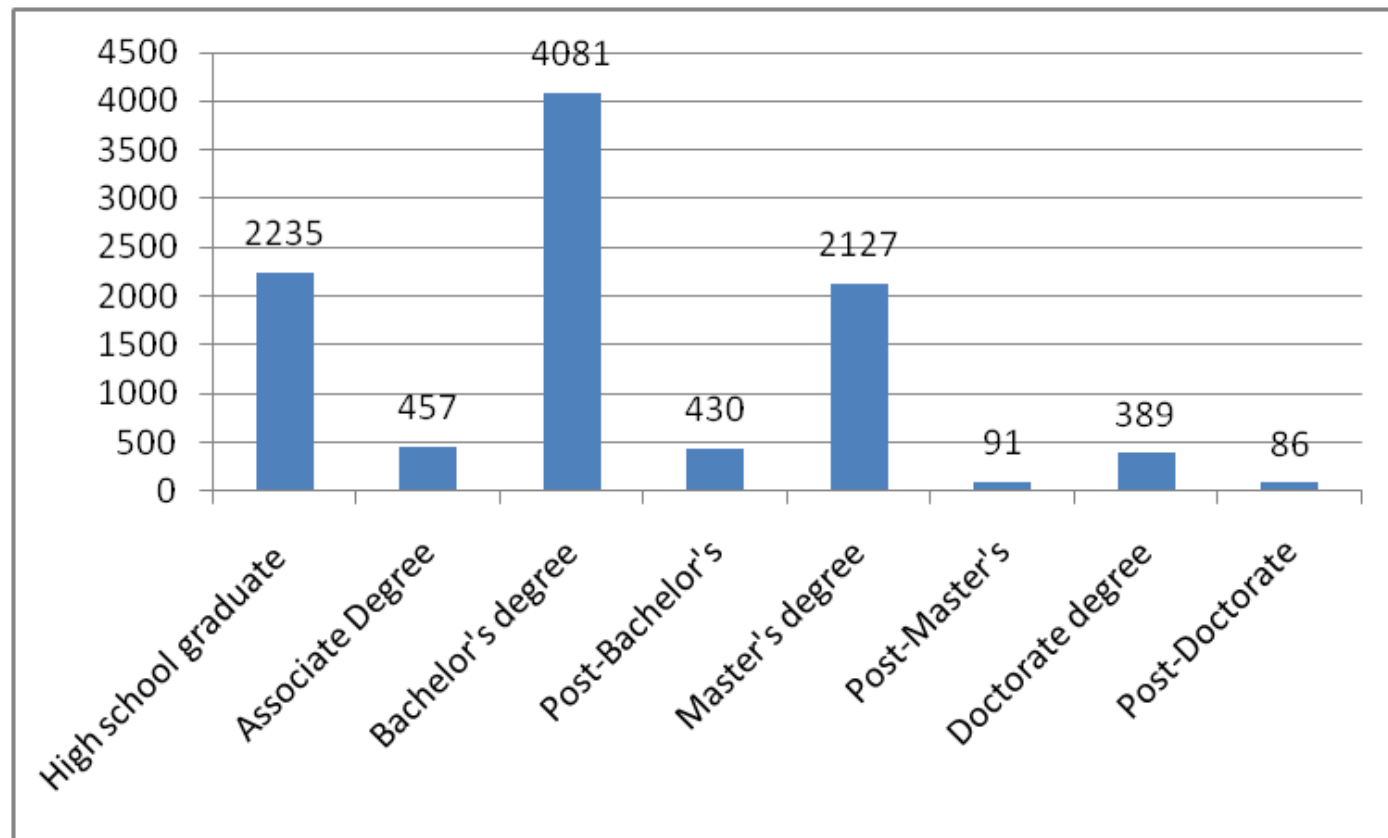
Top Six High Impacting Occupations



Top Occupational Groupings	
Occupation	Incumbents
Engineering	3,040
Business/HR/Support	1,099
Logistics	2,419
Computer Science/Technology	1,092
Science & Mathematics	1775
Procurement	670
Top 6 Total	10,095
APG Total Incumbents	11,549

Top six occupations account for 87% of workforce

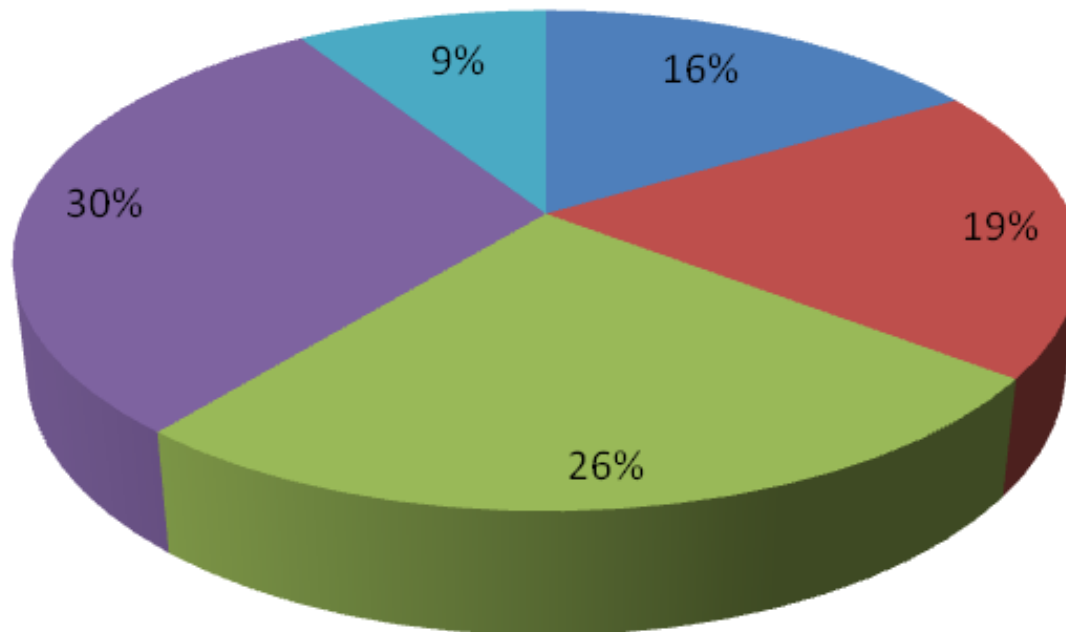
Workforce Education Summary (as of Jun 2011)



Workforce Age Distribution (as of Jun 2011)



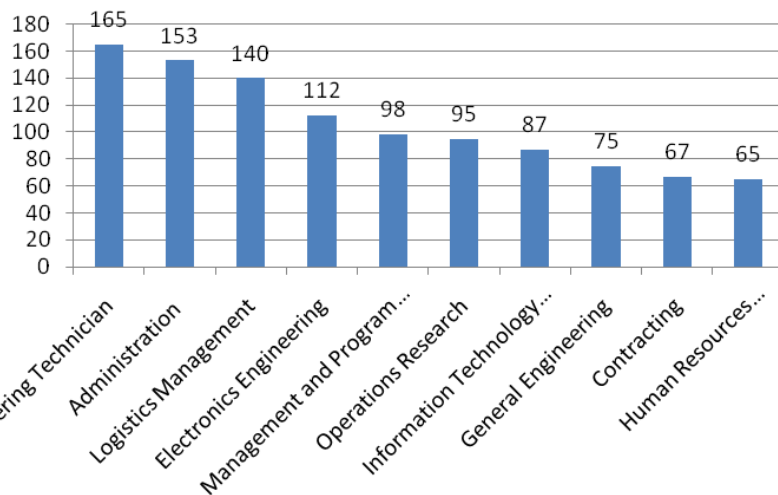
■ 21-29 ■ 30-39 ■ 40-49 ■ 50-59 ■ 60+



Workforce Retirement Eligible Present and Next 25 Years



Present



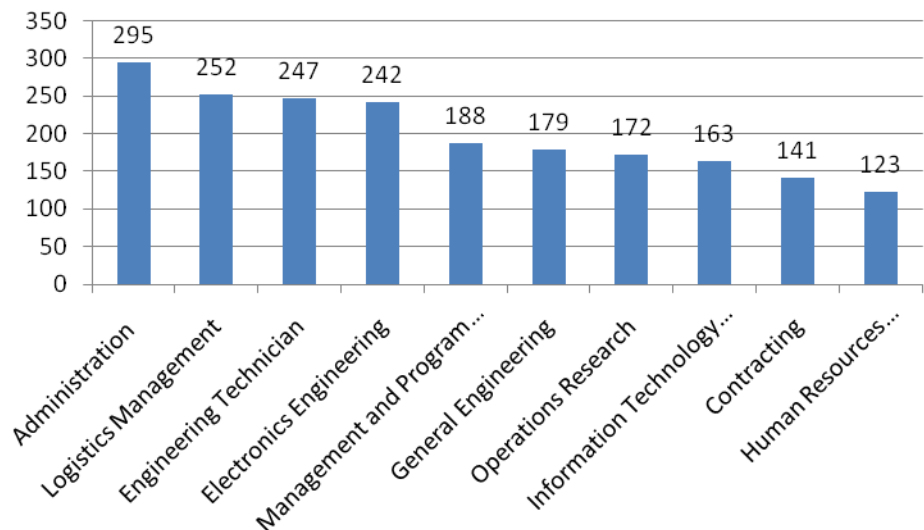
Top 10 Job Series Presently Eligible For Retirement

- ✓ Equates To 9% of the Workforce
- ✓ Total Number of Employees Eligible To Retire – 2514
- ✓ Equates to 22%

Top 10 Job Series Eligible For Retirement in the Next 5 Years

- ✓ Equates To 17% of the Workforce
- ✓ Total Number of Employees Eligible To Retire – 4470
- ✓ Equates to 39%

Next 5 Years



Historical Trends for APG Employees

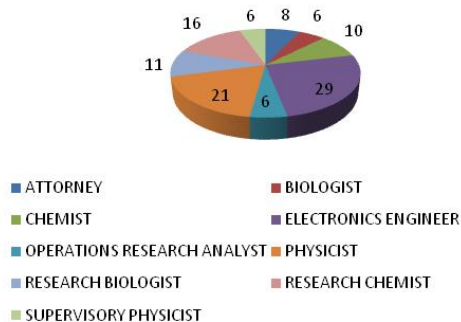


Education Level At Start Of Government Job	Maxium Educational Level Achieved During Career	Number Of Personnel
Bachelor's degree	Master's degree	605
High school graduate or certificate of equivalency	Bachelor's degree	140
Associate Degree	Bachelor's degree	56
High school graduate or certificate of equivalency	Master's degree	56
Post-Bachelor's	Master's degree	51
Two years college	Bachelor's degree	46
Three year college	Bachelor's degree	42
High school graduate or certificate of equivalency	Associate Degree	35
One year college	Bachelor's degree	30
Bachelor's degree	Post-Bachelor's	30
Master's degree	Master's degree	29
Bachelor's degree	Bachelor's degree	26
Associate Degree	Master's degree	24
High school graduate or certificate of equivalency	Some college - less than one year	21
High school graduate or certificate of equivalency	One year college	18
Master's degree	Doctorate degree	17
Four years college	Bachelor's degree	16
Three year college	Master's degree	15
Some college - less than one year	Bachelor's degree	14
High school graduate or certificate of equivalency	Three year college	11
One year college	Associate Degree	10
Two years college	Master's degree	10
Bachelor's degree	Doctorate degree	10

Degrees

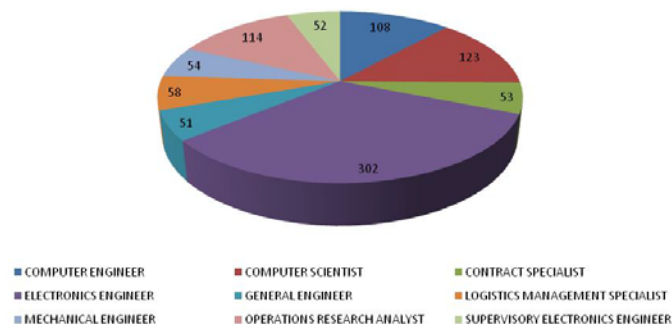


**Occupations
With Over 5 Doctoral Degrees**



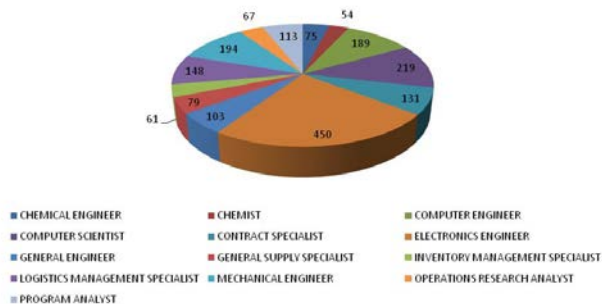
The APG workforce has 245 Doctoral degrees with 113 of them concentrated in the above occupations.

**Occupations
With Over 50 Masters Degrees**



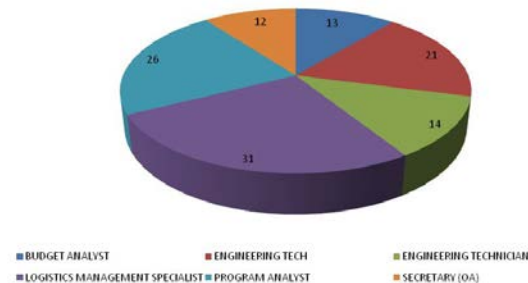
The APG workforce has 1891 Masters degrees with 915 of them concentrated in the above occupations.

**Occupations
With Over 50 Bachelor's Degrees**



The APG workforce has 3712 Bachelor's degrees with 1883 of them concentrated in the above occupations.

**Occupations
With Over 10 Associate Degrees**



The APG workforce has 488 Associate degrees with 117 of them concentrated in the above occupations.

Closing Thoughts



- APG has a strong technical community with an international reach
- Higher education is a valued asset in this community
- Many employees pursue continuing education during their time at APG
- Higher Education Open House will offer an opportunity to interact with potential students





End of Brief

