ASU FY16

CONGRESSIONAL
PROGRAMMATIC APPROPRIATIONS
PRIORITIES

UPDATED MARCH 9, 2015

Each year ASU's Office of Federal Relations prepares a document articulating ASU programmatic appropriations priorities for the Congressional session. Below are those priorities for the FY16 appropriations cycle as of March 9, 2015. In addition, many additional priority items will come into play throughout the legislative session that will require focused effort and attention. The below does not capture authorization and policy issues that are also high priorities for ASU. The priorities below are organized by appropriation subcommittee and designed for the primary audience, which is our Congressional delegation.

If you have questions, feel free to contact me at Stu.Hadley@asu.edu

Stuart D. Hadley, Associate Vice President for National Affairs and
Executive Director of Federal Relations
ASU supports an FY16 funding level of $32 billion for NIH, which is about $1 B more than the President’s Budget Request at $31.311 billion. NIH is the nation’s primary agency for supporting biomedical research. The NIH competitively awards grants to scientists at universities across the country including Arizona State University. Over a recent 12-month period, ASU submitted competitive research proposals to HHS/NIH totaling about $473 million. ASU had $46.7 million in NIH expenditures during that same period. NIH/HHS was the second leading federal source of research funding for ASU during this period just behind NSF. The $32B for FY16 would allow the NIH to continue to educate the next generation of scientists and fund leading-edge research with the goals of improving health and saving lives through medical discovery and scientific leadership.
PELL GRANT PROGRAM

(DEPARTMENT OF EDUCATION)

ASU REQUEST FOR FY2016 = MAXIMUM PELL AWARD AT $5915. Of this $4860 in appropriated funds.

FY16 PRESIDENT’S BUDGET REQUEST:

Maximum Pell award at $5915. Of this $4860 in appropriated amount.

FY2015: $4860 from appropriations with total amount at $5775.

FY2014 = $4860 with total amount at 5,730

The Federal Pell Grant Program provides need-based grants to financially disadvantaged students. The grants are the foundation of low-income students’ aid packages, to which other forms of aid are added. The Pell program is the largest federal source of college aid to students, and nationally it is anticipated that almost 12.8 million students will participate in the program in FY2016.

Pell grants are very important to ASU and the country. At Arizona State University, more than 23,000 students receive Pell grants, which is roughly 35% of our undergraduate students. About 41% of our AZ resident students receive a Pell grant. They also play a key role for our private sector partnerships such as the Starbucks/ASU College Achievement Plan, which enable new ways of providing access and completion for employee-students. In the 2013-2014 year ASU students received $97.5 million in Pell grants.
TEACHER QUALITY PARTNERSHIP (TQP)
(DEPARTMENT OF EDUCATION)

ASU SUPPORTS FOR FY2016: $40.6 million

FY16 PRESIDENT'S BUDGET REQUEST: $138 million and under the BR the TQP program gets rolled into a new “Teacher and Principal Pathways” along with School Leadership and Transition to Teaching programs.

FY15 = $40.6 MILLION
FY14 = $43 MILLION

ASU competitively won the largest TQP award and the program has made a significant contribution in advancing teacher preparation at ASU. Our TQP award is called “NEXT” which aims to update the curriculum and education of teacher candidates while providing continuing evaluations and educational resources and opportunities for in-service teachers to increase student effectiveness. More than 40 schools in 12 districts around Arizona are currently involved in the NEXT grant. The President’s FY16 Budget request once rolls this program into another and we are hopeful Congress will continue to fund it at a level of $43 million as it did for FY15.

The FY2016 BR recommends this program be consolidated into the Teacher and Principal Pathways proposal, and supports the development and implementation of model teacher preparation and teaching residency programs to improve the quality of teaching in high-need schools and early childhood education programs.

FIRST IN WORLD COMPETITION

ASU SUPPORTS FY16 = $200 MILLION
PRESIDENTS FY16 BUDGET REQUEST = $200 MILLION
FY15 = $60 MILLION
FY 14 OMNIBUS APPROPRIATION = $75 MILLION
The FY16 BR included $200 million to enable colleges and nonprofit organizations to develop, validate, or scale up innovative and effective strategies for increasing college access and completion, particularly for minority and low-income students, through an evidence-based competition. The plan includes a $20 million set-aside for minority-serving institutions. The competition would be administered through the Fund for Improvement of Postsecondary Education (FIPSE). ASU supports funding for the First in the World Competition at $200 million as per the included in the FY16 budget request.

COLLEGE OPPORTUNITY AND GRADUATION BONUS GRANT PROGRAM

PRESIDENT'S FY2016 BUDGET REQUEST: $7 Billion over ten years.

THE FY16 AMOUNT REQUESTED IN THE BA IS $647 Million.

This mandatory proposal would reward colleges that successfully enroll and graduate a significant number of low- and moderate-income students on time and encourage all institutions to improve their performance. Eligible institutions may receive a grant that will support innovation, interventions, and reforms to further increase college access and success based upon the number of Pell Grant recipients they graduate on time. The new program would provide an annual grant to eligible institutions equal to their number of on-time Pell graduates multiplied by a tiered bonus amount per student, varying by institution type. In addition, this new program would encourage institutions to continue improving their performance and graduate even more low-income students, by providing a larger bonus amount for additional Pell graduates. Eligibility would be based on Pell students comprising a significant share of an institution’s graduating class, as well as on graduation and student loan default rates. Over the next decade, the Budget provides $7.0 billion in budget authority for the College Opportunity and Graduation Bonus program. Given ASU’s emphasis on accessibility and successful graduation rates, this program would assist our continuing efforts for innovation.
FEDERAL WORK STUDY
(DEPARTMENT OF EDUCATION)

ASU SUPPORTS FY2016 REQUEST: $990 MILLION  (We believe ASU is being disadvantaged in the amount of Federal work study funds we receive and the formula dispersing these funds needs revisited)

FY16 PRESIDENT’S BUDGET REQUEST = $990 MILLION

FY15 = $990 MILLION

Work Study awards are increasingly significant for high-need students as enrollments increase reflecting a growing trend toward those returning to college seeking new skills to become more employable in the depressed job market. Work Study funding is very important to ASU. Total federal amount of work study dollars paid to ASU students is around $2.75 million. The Work-Study program provides grants to participating institutions to pay up to 75 percent of the wages of eligible undergraduate and graduate students working part-time to help pay their college costs. The school or other eligible employer provides the balance of the student’s wages. Nationally, Federal Work Study funds when combined with institutional matching funds, amount to nearly $1.2 billion to an estimated 703,000 recipients.

HEALTH RESOURCES & SERVICES ADMINISTRATION

Nursing Workforce Development Programs

ASU FY2016 REQUEST: $244 MILLION

FY2016 PRESIDENT’S BUDGET REQUEST: $231.622 MILLION

FY2015 = $231.622

The President’s FY16 budget request proposes level funding for Title VIII. This amount of funding will not sustain the growth necessary to educate the next generation of nurses. ASU receives about $400,000 per year from Title VIII. At ASU, these resources are used for funding student traineeships in graduate programs that prepare expert nurse leaders and advanced practitioners. ASU supports the nursing community's request for funding Title VIII at $244 million.
CORSORATION FOR PUBLIC BROADCASTING

Appropriations for CPB are “Forward Funded”

ASU FY16 REQUEST FOR CPB = $445 MILLION for FY2018.

PRESIDENT'S BUDGET FY16 REQUEST = $445 MILLION for FY2018.


CPB appropriations are for “forward funded.”

The Corporation for Public Broadcasting provides critical support to local public television stations to serve America’s communities on-air, online and on the ground with uniquely high-quality programming and services. By statute, over 70 percent of funds appropriated to CPB reach the stations in the form of Community Service Grants (CSGs). Public television plays a key role in educating our children, keeping Americans healthy, and providing job training. At ASU, CPB funding provides roughly 13% of KAET Channel 8’s operating budget. Over 80% of the “ei8ht” budget comes from local community, mainly through membership support, program underwriting, ASU and other sources.

The CPB funding provides critical seed money that enables about 1,300 local public television and radio stations to provide their communities with a host of essential services in news, education, emergency and public safety information, citizenship, music, culture, job training and many more.”

Grants to Local Stations

71%: Grants to local stations in the form of Community Service Grants (CSGs) for the creation of local programming and service initiatives.

Grants for Programming

18%: Grants to producers and national distributors for the creation of programming with an emphasis on educational programming and serving underserved audiences.

System Support
6%: System Support including research and national initiatives, copyright fees and station interconnection.

**CPB Operations**

Not more than 5%: For CPB operations and administration.

**UNIVERSITY SUSTAINABILITY PROGRAM**

Department of Education

ASU FY16 REQUEST: $20 MILLION (new start)

FY15 FUNDING LEVEL: N/A

ASU’s FY16 request is for $20 million for The University Sustainability Program. It would be a new start for this competitive grant program authorized as part of the Higher Education Opportunity Act (PL 110-315, Title VIII, Part U) and was recognized as one of six invitational priorities in the Fund for the Improvement of Post Secondary Education account of the FY2010 Labor, Health and Human Services, Education and Related Agencies appropriations bill.

Once funded, the University Sustainability Program will provide competitive grants to colleges and universities to establish sustainability programs and direct the Department of Education to establish high-quality sustainability programs. As per June 1, 2010 the program is supported by over 317 colleges and university presidents, several dozen national environmental and education organizations, and 25 major higher education associations. ASU endorsed the authorization and we continue to urge funding per the authorization.
FY16 ENERGY APPROPRIATIONS
PROGRAMMATIC REQUESTS

(DOE) OFFICE OF SCIENCE
DEPARTMENT OF ENERGY

ASU Supports FY16 funding for the Office of Science at: $ 5.33 Billion
FY16 President’s Budget Request for the Office Of Science: $5.33 Billion
FY15 = $5 Billion

ASU supports a funding level of $5.33 billion for FY16. At this funding level there would continue to be leading-edge energy research and educating the next generation of scientists. Strong, sustainable and predictable funding levels for research, including the Office of Science, are also necessary to ensure we build a better America by remaining a global leader in science and technology. In these challenging budget times, funding scientific research should be a priority. Science and technological advances, like those funded by DOE, are the foundation of our nation’s economic growth and aid in our national defense. According to the FY16 DOE budget justification, the DOE- Office of Science is “the largest federal sponsor of basic research in the physical sciences, supporting 22,000 researchers at 17 National laboratories and more than 300 universities.”

Educational Impact by the Numbers

• PBS Kids is the #1 Educational Media Brand.

• 77% of all kids ages 2-8 watched PBS KIDS last year.

• NOVA is the #1 video

• Research shows that PBS KIDS content enhances early literacy skills:
  - 21% increase in naming letters,
  - 37% Increase in letter sounds,
ENERGY EFFICIENCY AND RENEWABLE ENERGY (EERE)

ASU supports funding of EERE at a level of: $ 2.72 billion

FY16 President’s Budget Request for EERE: $ 2.72 billion

FY15 = $1.9 Billion
FY14 = $1.9 Billion

ASU supports continued EERE funding at the level of $2.72 billion. ASU is committed to translating basic scientific breakthroughs into commercial products that results in meeting the energy reductions goals. The Office of Energy Efficiency and Renewable Energy (EERE) supports clean energy research, development, demonstration, and deployment activities on technologies and practices that helps meet national security, environmental, and economic goals. Technologies supported through the Bioenergy Technology Office, for example, further these goals by reducing dependence on oil, minimizing the emissions associated with energy production and use, and stimulating economic growth and job creation in the US through the reduction of energy costs and investment in next generation renewable energy and manufacturing. The EERE portfolio emphasizes work areas where the potential impact is largest, and where federal funds are most critical. It balances investments in high-risk early-stage research with partnerships with private firms that speed the translation of innovations into practical business opportunities. The diverse set of technologies supported by EERE helps ensure that the US has many options for meeting its energy goals. Program management is designed to identify the best groups in the country to address these challenges and supports work in universities, companies, national laboratories, and consortia. The FY16 request for EERE is $2.72 billion, a significant increase of $808.9 million, or 42.3 percent.
ARPA-E

Department of Energy

FY16 ASU Request: $325 million

FY16 President's Budget Request level: $325 million

FY15 = $280 million

FY14 omnibus: $280 million

ASU supports ARPA-E funding at the FY2016 budget request level of $325 million. ASU has been particularly successful in securing ARPA-E grants and very active in pursuing ARPA-E awards. Specifically, ASU has secured three ARPA-E awards in the areas of fuels to sunlight, battery technologies and energy storage and most recently efficient and cost-effective carbon capture technology using an innovative electrochemical technique. The amount in the BR is 16% more than the FY15 level.

ENERGY FRONTIER RESEARCH CENTER (EFRC) PROGRAM

Department of Energy

FY16 ASU APPROPRIA REQUEST = $100 million

FY16 PRESIDENT'S BUDGET REQUEST = $55.8 million (found within the $1.8 billion Basic Energy Sciences (BES) area)

FY15 = $100 million

FY14 Omnibus: $100 million

Within the BES section of the Department of Energy’s budget is The Energy Frontier Research Centers (EFRCs) which support multi-year, multi-investigator scientific collaborations focused on overcoming hurdles in basic science that block transformational discoveries.
ASU supports continued funding in FY2016 budget request for the Energy Frontier Research Centers (EFRCs) program at the level of FY15 and FY14. ASU has been successful in competing for EFRCs in the past. We won a $14 million grant to establish an EFRC for Bio-Inspired Solar Fuel production. Funding at this level would allow for continued support for multi-year grants for these competitively awarded research centers. The ERFCs focus on the grand energy challenges identified by the Basic Energy Sciences Advisory Committee.
PRIORITIES FOR THE FY16

DOD APPROPRIATIONS
SUBCOMMITTEE

Flexible Hybrid Electronics
Manufacturing Innovation Institute

ASU FY16 Request: $29.628 million
President’s Budget Request for FY16: $29.628 million
FY15 Funding level: $9.871 million (competition for this FY15 funding is underway)

Detail Description is found in R-1 Program Element, PE 0603680D8Z, Defense Wide Manufacturing Science and Technology. Project P350/Institutes for Manufacturing Innovation.

Context: ASU is competing for this Institute for Manufacturing Innovation. We will lead this multi-state, multi-Partner Institute.

Title: Institute #5 – Flexible Hybrid Electronics Manufacturing Innovation Institute.

Flexible Hybrid Electronics manufacturing involves highly tailorable devices on non-traditional, compliant substrates that combine thinned components manufactured from traditional processes with components that are added via “printing” and other non-traditional processes. This institute will invest in prototyping and scale-up of production processes for high speed pick-and-place, printed circuits, and hybrid fabrication that will enable defense and commercial applications in wearable electronics, unattended sensors, medical prosthetics / neuro-synthetic devices, and the continuous improvement in SWAPC (Size, Weight And Power plus Cost) for electronic systems. This institute will establish a complete end-to-end domestic innovation ‘ecosystem,’ containing design, packaging, assembly and test automation research and workforce development capabilities which can be accessed by small, medium and large companies as well as academic institutes. The goal is to help enable the creation of a sustainable domestic industrial base which can rapidly respond to
global needs using a quick technology cycle and scale-up. This IMI will be established in 2015, with cooperative agreement funding contribution included in this budget through FY 2019.

FY15 plans:

Award a Cooperative Agreement and establish this new IMI following processes used for previous institutes and refined through lessons learned in solicitations and standup of Institutes 1-4. Conduct initial technology road mapping activities. Complete a data call for a first round of applied R&D projects and award project contracts in the key core areas identified within the road mapping activities.

FY 2016 Plans: Continue to refine core investment areas supporting the innovation ecosystem. Initiate two rounds of applied R&D project calls in core areas.

ASU FLEXIBLE DISPLAY CENTER

ASU requests continued support for the ongoing appropriations for the U.S. Army’s Flexible Display Center located at ASU. It is not an earmark. The Army’s Flexible Display Center was competitively awarded....and was one of the few Army Research labs to be competitively awarded.

Background

The U.S. Army competitively awarded the Flexible Display Center at ASU in February 2004 to spearhead the next revolution in information displays. The Center is a partnership where academia, industry, and government collaborate on rapid technology development, innovation and integration to create a new generation of innovative displays that will be flexible, lightweight, low power, and rugged. These revolutionary displays will usher in a new era of powerful real-time information sharing through ubiquitous commercial and military application in everything from portable pocket-held and vehicle-mounted devices to permanent and temporary conferencing/command rooms. The work is consistent with the Director, Defense Research and Engineering Strategic Plan, the Army modernization strategy, and the Army Science and Technology Master Plan.


Budget Detail

It is my understanding that there are again two PE funding streams for the Army’s Flexible Display Center located at Arizona State University for FY16. The ASU request is to support the President’s BR level for the following lines.
a) One line in the FY16 Budget Request is for $1.136 million for the Flexible Display Center (FDC). As found in Volume BA 2, page 142, R-1 Line item #18: PE 0602705A/Electronics and Electronic Devices. H17: Flexible Display Center. Descriptions says, “Project H17 designs and evaluates flexible displays in conjunction with the Flexible Display Center”

b) Another line that includes some funding for the Flexible Display Center is found in in BA 7, page 591, R-1 Line #202 in the End Item Industrial Preparedness Activities section, E25 the Manufacturing Science and Technology Section. Command, Control and Communications Systems contains multiple directives and is funded at $8.150 million. The PE 708045A line has historically contained some funding for the FDC. However, the exact amount from this line that would perhaps be for the FDC is not spelled out in the BR. (I may have an update later on a more exact amount from this line. Stu)

DoD RESEARCH

Science and Technology (6.1 – 6.3)

FY2016 ASU REQUEST: $12.8 Billion
FY2016 President’s Budget Request: $12.27 Billion
FY15 = $12.41 Billion
FY14 = $12.19 Billion

It is critical for our national security that our military stay on the leading edge of technology and scientific capabilities, which is why ASU recommends funding of the $12.8 Billion for FY2016 for the DoD Science and Technology account covering 6.1 – 6.3 research and development. This amount would comprise 20 percent of the requested RDT&E account. We cannot pull back on our defense science and research efforts if we intend to stay ahead in our defense capabilities.

DARPA

FY2016 ASU Request: $2.973 Billion
FY2016 President’s Budget Request: $2.973 Billion
FY15 = $2.915 Billion
FY14 = $2.778 Billion
Over the years DARPA has played an important role in funding high-risk, high-reward research which has led to many significant defense technologies, some of which have also evolved into remarkable civilian applications such as the internet, GPS, etc. ASU urges a funding level of $2.973B for this pivotal agency.

**Defense Language and National Security Education Office**

FY2016 ASU Request: $55 million

FY2016 President’s Budget Request: $49.3 million

FY15 = $48.5 million

FY14 = $80.56 million

ASU is a recipient of funding from DLNSEO. In FY2015 ASU received roughly $900,000 from the program and we anticipate competing for significant more in FY2016.

DLNSEO was established Feb, 2012 through a merger of the former Defense language office and the National Security Education Program. DLNSEO provides strategic direction, policy, and programmatic oversight to the Military departments, Defense Agencies and the Combatant Commands on present and future requirements related to language, regional expertise, and culture; and manages a portfolio of programs that provide linguist support to the Department as well as explore innovative concepts to expand foreign language capabilities. DLNSEO provides support to the USD (P&R) and the DoD Senior Language Authority and Dep Assit Secretary of Defense and Readiness on matters related to the required combination of language, regional, and cultural capabilities to meet current and projected needs, and creates a workforce pipeline that supports U.S. national security needs for the future. DLNSEO provides OSD-level guidance in the areas of foreign language, regional expertise and culture training, pay and testing. It develops and recommends policy regarding the development, maintenance and utilization of foreign language capabilities and monitors trends in the promotion, accession and retention of individuals with critical foreign language skills. DLNSEO efforts support language studies among U.S. undergraduate and graduate students who are committees to federal service in national security through nationally recognized Boren Scholarships and Fellowships, and expand opportunities to achieve professional level proficiency in critical languages thru the Language Flagship Program. DLNSEO's support of the National Language Service Corp provides rapidly accessible, short-term professional level language services to govt agencies for national emergencies or immediate surge requirements.
National Science Foundation

ASU Requests for NSF for FY2016: $7.724 Billion

FY16 President’s Budget Request = $7.724

FY15 = $7.344

FY2014 Omnibus = $7.172B

ASU supports a request of $7.724 Billion for FY2016 for the National Science Foundation, an agency key to the development of new innovations and our national economic competitiveness, and move toward the goals outlined in the bipartisan America COMPETES Act. The NSF funds merit-based research and supports science, math and engineering education across the country, including at ASU. In a recent 12 month period, ASU had expenditures totaling about $54.7 million from NSF. During that period of time it was the largest source of federal research dollars for ASU. NSF investments are also necessary to ensure we build a better America by remaining a global leader in science and technology. In these challenging budget times, funding scientific research should be a priority. Science and technological advances, like those funded by NSF, are the foundation of our nation’s economic growth and aid in our national defense.
NATIONAL NETWORKS OF MANUFACTURING INSTITUTES

NIST: National Network of Manufacturing Institutes

FY16 President's BR = $150 Million

The National Network for Manufacturing Innovation (NNMI) provides a manufacturing research infrastructure where U.S. industry and academia collaborate to solve industry-relevant problems. The NNMI is a network of Institutes for Manufacturing Innovation that each has a unique focus, but a common goal to create, showcase, and deploy new capabilities and new manufacturing processes.

There are presently 5 Institutes for manufacturing Innovation each with between $70 - $120 million over a five year period that has to be matched at least 1:1.

**ASU Context:** There are two agencies containing a FY16 BR for the NNMI.....this one at NIST and there is also a Budget Request within DoD for a new flexible hybrid electronics institute that is a high priority for ASU (see ASU DoD approps request). Part of this NIST funding for the NNMI will provide coordinating funding for the NNMIs.....which is important.

NIST is requesting $150 million to support the NNMI for FY2016. With the requested funds, NIST will focus on the following:

- Establishing and managing the NNMI network.
- Collaborating with the existing pilot institutes to establish a framework for network management and operations to support coordination among the institutes.
- Developing network governance processes to support productive interactions among institutes.
- Conducting open competitions for two additional institutes on topics proposed by industry.

(For context, ASU is presently a partner in a USC-led proposal for a competition for an IMI focusing on photonics and in addition, ASU is the lead institution in developing a proposal for an IMI competition focusing on flexible hybrid electronics. Both of these competitions are enabled by FY15 funds. The FY16 appropriation is important since it contains funding to provide a national framework for the existing and future IMIs.)
NASA

ASU Requests for NASA (top line number) for FY2016: $18.5 Billion

FY16 President's Budget Request = $ 18.5 billion
FY15 =$ 18 Billion

The request is a 2.9% increase over FY15 level of $18 billion.

NASA is an important funding agency for ASU. In a recent 12 month period, ASU submitted proposals totaling about $84.7 million and received roughly $23.2 million in awards over that same period. Areas that are of particular interest to ASU stretch across NASA's portfolio.

Two immediate areas of concern with the FY16 President's Budget Request:

- **Lunar Reconnaissance Orbiter**... is zeroed out in the President’s budget request. (see below)

- **Mars Rover program**.....is zeroed out in the President’s budget request (see below)

**Lunar Reconnaissance Orbiter (LRO):**

ASU strongly desires to see continued FY16 funding for the Lunar Reconnaissance Orbiter work underway at ASU. LRO is devoting the capabilities of the seven LRO instruments to five science investigations: the bombardment history of the Moon; the lunar geologic processes and their role in the evolution of the crust and lithosphere; the processes that have shaped the global lunar regolith; the types, sources, sinks, and transfer mechanisms associated with volatiles on the Moon; and how the space environment interacts with the lunar surface, in order to advance our understanding of the origin and evolution of the Moon.

**Mars Rover Opportunity**

ASU is actively involved in the day-to-day operations of the Mars Exploration Rover Opportunity, which is now in its 10th year of continuous exploration of Mars. We need funding for this program to continue. The rover’s Panoramic Camera (Pancam) color imaging investigation and Miniature Thermal Emission Spectrometer (Mini-TES) investigation are both run from the Tempe campus. The mission is currently exploring the rim of an ancient impact crater which contains clays and other water-formed minerals, providing exciting new evidence about the past climate and
habitability of Mars. Evidence that the mission is still exciting and relevant comes from, for example, the recent publication last month in Science magazine of a new peer-reviewed article describing the latest results on the discovery of clay minerals.

**International Space Station**

**FY16 President’s Budget Request = $3.105 Billion**

ASU is a world leader in advancing biomedical research on the International Space Station. Our work particularly in the area of microgravity-based biomedical R&D is highly competitive and enables novel discoveries about human health and disease progression that are not detectable on Earth. The President’s Budget Request for Space Operations FY16 includes $3.105 billion for the ISS. We are encouraged that the number of spaceflight biological experiments and their resulting benefits to human health and quality of life for the general public are increasing dramatically. Consistent and appropriate funding for the ISS is needed along with reinforcement of the link between the ISS and commercial spaceflight for future success and to maintain our world leadership in the productive use of this platform.

**Commercial Crew Program**

ASU continues to look for opportunities to connect with new entrepreneurial space companies and we are encouraged with the FY16 NASA budget request of $1.244 Billion for its Commercial Crew Program. At the ASU/NewSpace office we are hopeful there would be increased funding for Academic-Commercial technology and science programs.

NASA’s **Science Mission Directorate** (SMD)

ASU Request:  $5.49 Billion

FY16 President Budget Request:  $5.298 Billion

FY15 Amount was $5.24 Billion

The **Space Technology Mission Directorate**

ASU request for FY16:  $725 million

FY16 Budget Request: $725 million
The **Aeronautics Research Directorate**

FY16 ASU Request: $651 million

FY16 Presidents Budget Request: $571 million

FY15 = $651 million

**NASA Education:**

FY16 Budget Request = $88.9 million for NASA's Office of Education.

Like last year's budget, the FY16 budget reiterates the principles of the Administration's STEM reorganization and the Five-Year Federal Strategic Plan on STEM Education.

The FY16 budget includes $20 million for all STEM activities. While this request is found within the budget for the Astrophysics Directorate, it is meant to support STEM activities across the entire Science Mission Directorate.