



General Consent Calendar

A. MINUTES

1. Minutes of the Board Meeting—August 21, 2020, Board of Higher Education Office, Salt Lake City, Utah (Attachment)

B. Finance and Facilities

1. USHE – Non-state Funded Project Approval TAB D
 - i. University of Utah: West Village Student Housing
 - ii. University of Utah: Impact-Epicenter Building
 - iii. Utah State University: Equine and Human Science Center Arena
 - iv. Weber State University: Stadium project
 - v. Weber State University: Noorda bond authorization
2. Utah State University – Nontraditional Arrangement in Moab TAB E
3. Utah State University – Nontraditional Arrangement in Kaysville TAB F
4. Ogden-Weber Technical College – Property Acquisition TAB G
5. Southern Utah University – Long-term Land Lease TAB H

C. ACADEMIC EDUCATION PROGRAM NOTIFICATIONS

INFORMATION:

1. New Program
 - University of Utah – Bachelor of Art/Science in Educational Psychology
 - Snow College – Associate of Applied Sciences in Innovative Livestock Management
 - Weber State University – Master of Physician Assistant Studies
 - Dixie State University – Bachelor of Applied Sciences in Enterprise Management
 - Dixie State University – Bachelor of Applied Sciences in Technology Innovation
 - Dixie State University – Associate of Sciences in Laboratory Studies

NOTICE:

2. New Program
 - University of Utah – Post-baccalaureate Certificate in Operations and Supply Chain Management
 - University of Utah – Post-baccalaureate Certificate in Software Development Programming
 - Snow College – Certificate of Proficiency in Wireless Networking
 - Snow College – Certificate of Proficiency in Advanced Cybersecurity
 - Snow College – Certificate of Proficiency in Cybersecurity
 - Snow College – Certificate of Proficiency in Natural Resources

- Dixie State University – Certificate of Proficiency in Advanced Information Technology
 - Dixie State University – Certificate of Proficiency in Medical Laboratory Assistant Technology
 - Dixie State University – Certificate of Proficiency in Supply Chain Management
 - University of Utah – Post-baccalaureate Certificate in Speech-Language Pathology Assistant
3. New Center
 - University of Utah – Center for Violence Prevention
 - Dixie State University – Center for Adult and Professional Education
 - University of Utah – Center for Business, Health, and Prosperity
 4. New Administrative Unit
 - Utah Valley University – Department of Physician Assistant Studies
 5. Administrative Unit Name Change
 - University of Utah – National Center for Voice and Speech to Utah Center for Vocology
 6. Administrative Unit Transfer
 - University of Utah – Center for Research on Migration & Refugee Integration transferred from Department of Social Work to School of Medicine, Division of Public Health
 7. Administrative Unit Restructure and Name Change of Existing Unit
Southern Utah University:

From:

College of Education & Human Development comprised of the following departments:

- Department of Teacher Education
- Department of Family Life and Human Development
- Department of Kinesiology and Outdoor Recreation

Walter Maxwell Gibson College of Science & Engineering comprised of the following departments:

- Department of Agriculture and Nutrition Science
- Department of Nursing
- Department of Biology
- Department of Physical Science
- Department of Mathematics
- Department of Computer Science and Information Systems
- Department of Engineering and Technology

College of Aerospace Sciences & Technology comprised of the following department:

- Department of Aviation Sciences

Dixie L. Leavitt School of Business comprised of the following departments:

- Department of Accounting
- Department of Economics and Finance

- Department of Management, Marketing, and Hotel, and Hospitality Management

To:

College of Education & Human Development comprised of the following departments:

- Department of Teacher Education
- Department of Family Life and Human Development

College of Health Sciences comprised of the following departments:

- Department of Kinesiology and Outdoor Recreation
- Department of Agriculture and Nutrition Science
- Department of Nursing

Walter Maxwell Gibson College of Sciences comprised of the following departments:

- Department of Biology
- Department of Physical Science

College of Engineering & Computational Sciences comprised of the following departments:

- Department of Mathematics
- Department of Computer Science and Information Systems
- Department of Engineering and Technology
- Department of Aviation Sciences

Dixie L. Leavitt School of Business comprised of the following departments:

- Department of Accounting and Finance
- Department of Economics, Marketing, and Analytics
- Department of Management and Hotel, Resort, and Hospitality Management

8. Administrative Unit Discontinuation

- Southern Utah University: College of Aerospace Sciences and Technology

9. Name Change of Existing Unit

- Southern Utah University: Department of Theatre Arts and Dance to Department of Theatre, Dance, and Arts Administration

D. CREDIT BY EXAMINATION

Credit for Advanced Placement (AP)

The Commissioner and his staff recommend the Academic Education Committee approve the following items for inclusion on the General Consent Calendar.

<u>AP Courses and Exams</u>	<u>ACE Recommendations</u>	<u>Major Committee Recommendations</u>
	Arts	
Music Theory	3 lower-division credits for score 3 6 lower-division credits for score 4-5	Score 3-4 = MUSC 1100 (1105 at USU) (3 credits) Score 5 = MUSC 1110 (2-3 credits)
	English	
English Language and Composition	6 lower-division credits for score 3-5	Score 3-5 = ENGL 1010 (3 credits)
English Literature and Composition	6 lower-division credits for score 3-5	Score 3-5 = ENGL 2200 (3 credits)
	History and Social Sciences	
Comparative Government and Politics	3 lower-division credits for score 3-5	Score 3-5 = POLS 2200 (3 credits)
European History	6 lower-division credits for score 3-5	Score 3-5 = HIST 1110 (3 credits)
Human Geography	3 lower-division credits for score 3-5	Score 3-5 = GEOG 1400 (3 credits)
Macroeconomics	3 lower-division credits for score 3-5	Score 3-5 = ECON 2020 (1500 at USU) (3 credits)
Microeconomics	3 lower-division credits for score 3-5	Score 3-5 = ECON 2010 (3 credits)
Psychology	3 lower-division credits for score 3-5	Score 3-5 = PSY 1010 (3 credits)
United States Government and Politics	3 lower-division credits for score 3-5	Score 3-5 = POLS 1100 (3 credits)
United States History	6 lower-division credits for score 3-5	Score 3-5 = HIST 1700 (3 credits)
World History: Modern	6 lower-division credits for score 3-5	Score 3-5 = HIST 1510 (3 credits)
	Math and Computer Science	
Calculus AB	4 lower-division credits for score 3-5	Score 3 = MATH 1050 + MATH 1060 (6 total credits) Score 4-5 = MATH 1210 (6 credits)
Calculus BC	8 lower-division credits for score 3-5	Score 3 = MATH 1210 (6 credits) Score 4-5 = MATH 1210 + MATH 1220 (8 total credits)
Computer Science A	3-4 lower-division credits for score 3-5	Score 3-4 = CS 1400 (credits variable by institution)

		Score 5 = CS 1400 (if institution offers) + CS 1410 (total credits variable by institution)
Computer Science Principles		Score 3-5 = CS 1030 (3 credits)
Statistics	3 lower-division credits for score 3-5	Score 3-5 = Introductory statistics course with QL designation (3 credits)
Sciences		
Biology	8 lower-division credits for score 3-5	Score 3 = BIOL 1010 or equivalent (3 credits) Score 4-5 = BIOL 1610 or equivalent (4 credits) or BIOL 1610 (3 credits) + 1 elective credit Institutions for which BIOL 1610 is not GE course (USU) should award GE credit – No lab credit
Chemistry	8 lower-division credits for score 3-5	Score 3 = CHEM 1010 (3-4 credits) or CHEM 1100 (4 credits) – Satisfies chemistry prerequisite for CHEM 1210 Score 4 = CHEM 1010 (3-4 credits) or CHEM 1100 (4 credits) or CHEM 1210 (4 credits) Score 5 = CHEM 1010 (3-4 credits) or CHEM 1100 (4 credits) or CHEM 1210 (4 credits) or CHEM 1210 (4 credits) + CHEM 1220 (4 credits) AP not accepted for medical school admission – Student should select course(s) depending on major – No lab credit
Environmental Science	4 lower-division credits for score 3-5	Score 3-5 = Appropriate course or elective credits variable by institution (not BIOL 1010) (3 credits) – No lab credit

Physics 1: Algebra-Based	4 lower-division credits for score 3-5	Score 3 = PHYS 1010 + PHYS 1015 (4 total credits) with PS designation Score 4-5 = PHYS 2010 + PHYS 2015 (5 total credits) with PS designation
Physics 2: Algebra-Based	4 lower-division credits for score 3-5	Score 3 = PHYS 1010 + PHYS 1015 (4 total credits) with PS designation Score 4-5 = PHYS 2020 + PHYS 2025 (5 total credits) with PS designation
Physics C: Electricity and Magnetism	4 lower-division credits for score 3-5	Score 3 = PHYS 1010 + PHYS 1015 (4 total credits) with PS designation Score 4-5 = PHYS 2220/2225 <i>or</i> PHYS 2020/2025 (5 total credits) – See Physics advisor for placement/credit
Physics C: Mechanics	4 lower-division credits for score 3-5	Score 3 = PHYS 1010 + PHYS 1015 (4 total credits) with PS designation Score 4-5 = PHYS 2210/2215 <i>or</i> PHYS 2010/2015 (5 total credits) – See Physics advisor for placement/credit
World Languages and Cultures		
Chinese Language and Culture	8 lower-division credits for score 3 12 lower-division credits for score 4 16 lower-division credits for score 5	Score 3 = CHIN 1010 + CHIN 1020 (total credits variable by institution) Score 4 = CHIN 1010 + CHIN 1020 + CHIN 2010 (total credits variable by institution) Score 5 = CHIN 1010 + CHIN 1020 + CHIN 2010 + CHIN 2020 (total credits variable by institution)
French Language and Culture	6 lower-division credits for score 3 9 lower-division credits for score 4 12 lower-division credits for score 5	Score 3 = FREN 1010 + FREN 1020 (total credits variable by institution) Score 4 = FREN 1010 + FREN 1020 + FREN 2010 (total credits variable by institution) Score 5 = FREN 1010 + FREN 1020 + FREN 2010 + FREN 2020 (total credits variable by institution)

<p>German Language and Culture</p>	<p>6 lower-division credits for score 3 9 lower-division credits for score 4 12 lower-division credits for score 5</p>	<p>Score 3 = GERM 1010 + GERM 1020 (total credits variable by institution)</p> <p>Score 4 = GERM 1010 + GERM 1020 + GERM 2010 (total credits variable by institution)</p> <p>Score 5 = GERM 1010 + GERM 1020 + GERM 2010 + GERM 2020 (total credits variable by institution)</p>
<p>Italian Language and Culture</p>	<p>8 lower-division credits for score 3 12 lower-division credits for score 4 16 lower-division credits for score 5</p>	<p>Score 3 = ITLN 1010 + ITLN 1020 (total credits variable by institution)</p> <p>Score 4 = ITLN 1010 + ITLN 1020 + ITLN 2010 (total credits variable by institution)</p> <p>Score 5 = ITLN 1010 + ITLN 1020 + ITLN 2010 + ITLN 2020 (total credits variable by institution)</p>
<p>Japanese Language and Culture</p>	<p>8 lower-division credits for score 3 12 lower-division credits for score 4 16 lower-division credits for score 5</p>	<p>Score 3 = JAPN 1010 + JAPN 1020 (total credits variable by institution)</p> <p>Score 4 = JAPN 1010 + JAPN 1020 + JAPN 2010 (total credits variable by institution)</p> <p>Score 5 = JAPN 1010 + JAPN 1020 + JAPN 2010 + JAPN 2020 (total credits variable by institution)</p>
<p>Spanish Language and Culture</p>	<p>6 lower-division credits for score 3 9 lower-division credits for score 4 12 lower-division credits for score 5</p>	<p>Score 3 = SPAN 1010 + SPAN 1020 (total credits variable by institution)</p> <p>Score 4 = SPAN 1010 + SPAN 1020 + SPAN 2010 (total credits variable by institution)</p> <p>Score 5 = SPAN 1010 + SPAN 1020 + SPAN 2010 + SPAN 2020 (total credits variable by institution)</p>

Credit for College-Level Examination Program (CLEP)

The Commissioner and his staff recommend the Academic Education Committee approve the following items for inclusion on the General Consent Calendar.

CLEP Exams	ACE Recommendations	Major Committee Recommendations
Business		
Financial Accounting	3 lower-division credits for score 50+	Score 50+ = 3 credits ACCT 2010 at DSU, SLCC, Snow, UVU, WSU; Exceptions-no credit: UU, USU, SUU no equivalency
Information Systems	3 lower-division credits for score 50+	Business recommends no credit- No system-wide course equivalency
Introductory Business Law	3 lower-division credits for score 50+	Score 50+ = 3 credits SLCC MGT 2050, Snow BUS 2050, UVU LEGL 3000, Elective credit WSU; USU (score 62+) MGT 2050; Exceptions-no credit: SUU, UU no equivalency
Principles of Management	3 lower-division credits for score 50+	Score of 50+ = SLCC MGT 1600, Snow BUS 2650; Elective credit: DSU, WSU; Exceptions-no credit: SUU, UU, USU, UVU no equivalency
Principles of Marketing	3 lower-division credits for score 50+	Score of 50+ = 3 credits SLCC MKTG 1030, Elective credit DSU, WSU, USU (score 62+) MSLE 3500; Exceptions-no credit: Snow, SUU, UU, UVU no equivalency
Composition and Literature		
American Literature	3 lower-division credits for score 50+	Score 50+ = ENGL 2200 (3 credits)
Analyzing and Interpreting Literature	3 lower-division credits for score 50+	Score 50+ = ENGL 2200 (3 credits)
College Composition	6 lower-division credits for score 50+	Score 50+ = ENGL 1010 (3 credits)

College Composition Modular	3 lower-division credits for score 50+	English recommends no credit due to lack of writing samples on exam
English Literature	3 lower-division credits for score 50+	Score 50+ = ENGL 2200 (3 credits)
History and Social Sciences		
American Government	3 lower-division credits for score 50+	Score 50+ = POLS 1100 (3 credits)
History of the United States I	3 lower-division credits for score 50+	Score 50+ = HIST 2700 (3 credits)
History of the United States II	3 lower-division credits for score 50+	Score 50+ = HIST 2710 (3 credits)
Human Growth and Development	3 lower-division credits for score 50+	Score 50+ = Family Studies 1500 or PSY 1100 (3 credits)
Introductory Psychology	3 lower-division credits for score 50+	Score 50+ = PSY 1010 (3 credits)
Principles of Macroeconomics	3 lower-division credits for score 50+	Score 50+ = ECON 2020 (1500 at USU) (3 credits)
Principles of Microeconomics	3 lower-division credits for score 50+	Score 50+ = ECON 2010 (3 credits)
Social Sciences and History	6 lower-division credits for score 50+	History recommends no credit-no course equivalency, does not articulate to history major
Western Civilization I	3 lower-division credits for score 50+	Score 50+ = HIST 1100 (3 credits)
Western Civilization II	3 lower-division credits for score 50+	Score 50+ = HIST 1110 (3 credits)
Science		
Biology	6 lower-division credits for score 50+	Score 50+ = BIOL 1010 or equivalent (3 credits) – No lab credit
Chemistry	6 lower-division credits for score 50+	Score 50+ = CHEM 1010 (3 credits) – Satisfies chemistry prerequisite for CHEM 1210

DSST (formerly known as DAN TES Subject Standardized Tests)

The Commissioner and his staff recommend the Academic Education Committee approve the following items for inclusion on the General Consent Calendar.

<u>DSST Exams</u>	<u>ACE Recommendations</u>	<u>Major Committee Recommendations</u>
Business		
Business Ethics and Society	3 lower-division credits for score 400+	Score 400+ = 3 credits; SLCC BUS 1040; DSU, WSU elective credit; Exceptions-no credit: Snow, SUU, UU, USU, UVU no equivalency
Business Mathematics	3 lower-division credits for score 400+	Score 400+ = 3 credits; UVU ACC 1150; DSU, USU, WSU elective credit; Exceptions-no credit: Snow, SUU, UU no equivalency
Human Resource Management	3 lower-division credits for score 400+	Score 400+ = 3 credits; SLCC MGT 2070, UVU HR 3430; DSU, WSU elective credit; Exceptions-no credit: Snow, SUU, UU, USU no equivalency
Introduction to Business	3 lower-division credits for score 400+	Score 400+ = 3 credits; DSU, SLCC, Snow, BUS 1010; UVU MGMT 1010; WSU BDAS 1010; Exceptions-no credit: SUU, UU, USU no equivalency
Computing and Information Technology	3 lower-division credits for score 400+	Reviewed by Computer Science, recommend no credit due to non-alignment with existing courses.
Management Information Systems	3 lower-division credits for score 400+	Score 400+ = 3 credits; DSU ASA 2050 or waiver, SLCC CISS 1020, UVU INFO 3120; elective credit WSU; Exceptions-no credit: Snow, SUU, UU, USU no equivalency
Money and Banking	3 upper-division credits for score 400+	Score 400+ = 3 elective credits at DSU; Exceptions-no credit: SLCC, Snow, SUU, UU, USU, UVU, WSU no equivalency

Organizational Behavior	3 lower-division credits for score 400+	Score 400+ = 3 credits; UVU MGMT 3000; DSU, WSU elective credit; Exceptions-no credit: SLCC, Snow, SUU, UU, USU no equivalency
Personal Finance	3 lower-division credits for score 400+	Score 400+ = 3 credits; DSU FIN 1750, SLCC FIN 1050, Snow BUS 1210, SUU FIN 2780, UU FIN 1200, UVU FIN 1600, WSU Fin 1010; Exception-no credit: USU no equivalency
Principles of Finance	3 lower-division credits for score 400+	Score 400+ = 3 credits; UVU FIN 3100; DSU, WSU elective credit; Exceptions-no credit: SLCC, Snow, SUU, UU, USU no equivalency
Principles of Supervision	3 lower-division credits for score 400+	Score 400+ = 3 credits; DSU, WSU elective credit; Exceptions-no credit: SLCC Snow, SUU, UU, USU, UVU no equivalency
Humanities		
Ethics in America	3 lower-division credits for score 400+	Philosophy recommends no credit awarded due to no writing requirement on test
Principles of Public Speaking	3 lower-division credits for score 400+	Communication recommends no credit awarded due to limited speech demonstrations
Physical Sciences		
Astronomy	3 lower-division credits for score 400+	Score 400+ = PHYS 1040 or 1050 or 1060 with PS designation (3 credits)
Introduction to Geology	3 lower-division credits for score 400+	Score 400+ = GEO 1010 (GEO 1XXX PS at WSU) (3 credits)
Social Sciences		
A History of the Vietnam War	3 lower-division credits for score 400+	Score 400+ = HIST 1XXX (3 credits)
The Civil War and Reconstruction	3 lower-division credits for score 400+	Score 400+ = HIST 1XXX (3 credits)
Criminal Justice	3 lower-division credits for score 400+	Score 400+ = CJ 1XXX (3 credits)

Foundations of Education	3 lower-division credits for score 400+	Elementary Education recommends no credit due to lack of field component.
Fundamentals of Counseling	3 lower-division credits for score 400+	Psychology recommends no credit due to non-alignment with existing courses.
General Anthropology	lower-division credits for score 400+	Score 400+ = ANTH 1000 or 1010 (3 credits)
Introduction to Geography	3 lower-division credits for score 400+	Score 400+ = GEOG 1300
Introduction to Law Enforcement	3 lower-division credits for score 400+	Score 400+ = CJ 1XXX (3 credits)
Lifespan Developmental Psychology	3 lower-division credits for score 400+	Score 400+ = Family Studies 1500 or PSY 1100 (3 credits)
History of the Soviet Union	3 upper-division credits for score 400+	Score 400+ = HIST 1XXX (3 credits)
Technology		
Ethics in Technology	3 lower-division credits for score 400+	Computer Science recommends no credit due to non-alignment with existing courses.
Fundamentals of Cybersecurity	3 upper-division credits for score 400+	Computer Science recommends no credit due to non-alignment with existing courses.

Credit for International Baccalaureate (IB)

The Commissioner and his staff recommend the Academic Education Committee approve the following items for inclusion on the General Consent Calendar.

<u>IB Curriculum IB Subject Briefs</u>	<u>Major Committee Recommendations</u>
Arts	
Dance—Standard Level	Score 5+ = DANC 1010 (3 credits)
Dance—Higher Level	Score 5+ = DANC 1010 (3 credits) + 3 elective DANC credits determined by institution based on student’s experience
Film—Standard Level	Score 5+ = THEA 1023 (3 credits)
Film—Higher Level	Score 5+ = THEA 1023 (3 credits) + 2 credits in film production to be determined in consultation with appropriate departments

Music—Standard Level	Music recommends no credit for the standard level
Music—Higher Level	Score 5+ = MUSC 1010 (3 credits)
Theatre—Standard Level	Score 5+ = THEA 1013 (3 credits)
Theatre—Higher Level	Score 5+ = THEA 1013 (3 credits) + THEA 1XXX (2 credits)
Individuals and Society	
Business Management—Standard Level	Score 5+ = 3 credits at DSU (BUS 1010); 8 credits at Snow (BUS 1010, BUS 2650 and 2 elective credits); 3 elective credits at UVU; No credit at SLCC, SUU, UU, USU, and WSU
Business Management—Higher Level	Score of 5+ = 6 credits at DSU (BUS 1010 and 3 elective credits); 8 credits at SLCC (MGT 1600, MKTG 1030 and 2 elective credits); 8 credits at Snow (BUS 1010, BUS 2650 and 2 elective credits); 8 elective credits at UU, 6 elective credits at SUU; 6 credits at UVU (BUS 1010 and 3 elective credits); 8 credits at WSU (BSAD 1010 and 5 elective credits); No credit at SUU
Economics—Standard Level	Economics recommends no credit for the standard level
Economics—Higher Level	Score 5+ = ECON 2010 + ECON 2020 (1500 at USU) (6 total credits)
Geography—Standard Level	Score 5+ = GEOG 1300 (3 credits)
Geography—Higher Level	Score 5+ = GEOG 1000 (3 credits) + GEOG 1300 (3 credits)
History—Higher Level	Score 5+ on US History = HIST 1700 (3 credits)
Information Technology in a Global Society—Standard Level	Offer Computer Science PLA opportunity by institution, potential challenge exam
Information Technology in a Global Society—Higher Level	Offer Computer Science PLA opportunity by institution, potential challenge exam
Psychology—Standard Level	Score 5+ = PSY 1010 (3 credits)
Psychology—Higher Level	Score 5+ = PSY 1010 (3 credits) + 3 lower-division PSY elective credits
Social and Cultural Anthropology—Standard Level	Score 5+ = ANTH 1000 or 1010 (3 credits)
Social and Cultural Anthropology—Higher Level	Score 5+ = ANTH 1010 or 1010 (3 credits) + ANTH 1XXX (3 credits)
Mathematics	

Further Mathematics—Higher Level	Score 5+ = MATH 1210 QL (4-5 credits) + MATH 1XXX credits)
Mathematics—Standard Level	Score 5+ = MATH 1050 QL (4 credits)
Mathematics—Higher Level	Score 5+ = MATH 1210 QL (4-5 credits) + MATH 1XXX (1-2 credits)
Sciences	
Biology—Standard Level	Score 5+ = BIOL 1010 or equivalent (3 credits) – No lab credit
Biology—Higher Level	Score 5+ = BIOL 1610 (4 credits) or BIOL 1610 (3 credits) + 1 elective credit – Institutions for which BIOL 1610 is not GE course (USU) should award GE credit – No lab credit
Chemistry—Standard Level	Chemistry recommends no credit for the standard level
Chemistry—Higher Level	Score 5+ = CHEM 1010 (3 credits)
Computer Science—Standard Level	Score 5+ = CS 1030 (3 credits)
Computer Science—Higher Level	Offer PLA opportunity by institution, potential challenge exam
Physics—Standard Level	Score 5+ = PHYS 1010 with PS designation (3 credits)
Physics—Higher Level	PS designation, see Physics advisor for placement/credit

E. GRANT PROPOSALS

1. University of Utah – US Department of Education; “CARES HEERF Student Grant”; \$9,362,665. Principal Investigator, Cathy Anderson.
2. University of Utah – US Department of Education; “CARES HEERF Institutional”; \$9,362,665. Principal Investigator, Cathy Anderson.
3. University of Utah – Air Force Office of Scientific Research; “GA203 MURI-Extensions; \$3,000,000. Principal Investigator, Michael A Scarpulla.
4. University of Utah – US Department of Energy; “EERE Plastic Deconstruction”; \$2,500,000. Principal Investigator, Swomitra Kumar Mohanty.
5. University of Utah – DOE OFC Energy Efficiency & Renew Energy: EEREPLASTICSTOMESOPHASE”; \$2,499,945. Principal Investigator, Michael Nigra.
6. University of Utah – DOD Defense Threat Reduction agency; “DTRA Dosimeter”; \$2,308,912. Principal Investigator, Kevin J Whitty.

7. University of Utah – DOE OFC Energy Efficiency * Renew Energy; “2020DOE Plastics Gasification”; \$2,389,720. Principal Investigator, Kevin J Whitty.
8. University of Utah – DHHS National Institutes of Health; “NIH Ro1 – Needle EMG”; \$1,800,213. Principal Investigator, Florian Solzbacher.
9. University of Utah – US Department of Energy; “DOE Carbon Fiber Scale-Up”; \$1,499,879. Principal Investigator, Eric G Eddings.
10. University of Utah – NIH Office of the Director; “DORVAL SPARC 2020”; \$1,489,930. Principal Investigator, Alan Dale Dorval II
11. University of Utah – National Science Foundation; “NSF MRI”; \$1,429,536. Principal Investigator, Jacob Dean Hochhalter.
12. University of Utah – US Department of Energy; “DOE Carbon Foam”; \$1,350,712. Principal Investigator, Eric G Eddings.
13. University of Utah – National Science Foundation; “Indirect Influence”; \$1,029,893. Principal Investigator, Suresh Venkatasubramanian.
14. University of Utah – Dominion Energy Questar Corporation; “UTAP”; \$1,000,000. Principal Investigator, Kody Merlin Powell.
15. University of Utah – DHHS National Institutes of Health; “Ro1MPI-Looh-Induced Muscle”; \$2,916,504. Principal Investigator, Katsuhiko Funai.
16. University of Utah – Terrapower LLC; “DOE ARD with Terrapower”; \$1,466,956. Principal Investigator, Michael F Simpson.
17. University of Utah – NIH National Institute of Mental Health; “Ro1MH104603 PA-20-185 Renew”; \$2,441,565. Principal Investigator, Marco Bortolato.
18. University of Utah – NIH National Institute of Mental Health; “Ro1 Resub Marco Bortolato”; \$1,906,654. Principal Investigator, Marco Bortolato.
19. University of Utah – MERCK KGaA; “Covid-19 Vulnerable Population”; \$1,714,084. Principal Investigator, Diana I Brixner.
20. University of Utah – DHHS Agency for Healthcare Resh & Quality; “Overcoming Barriers to WARFAR”; \$1,347,393. Principal Investigator Daniel M Witt.
21. University of Utah – NIH National Inst of General Medical Sci; “Speciation in Drosophila”; \$3,526,812. Principal Investigator, Nitin Phadnis.
22. University of Utah – DHHS National Institutes of Health; “HASHIBE_Ro1_06.19.2020”; \$3,794,944. Principal Investigator, Mia Hashibe.
23. University of Utah – DHHS National Institutes of Health; “PAR4RENRESUB-PLATELET Function”; \$2,621,264. Principal Investigator, Paul Francis Bray.
24. University of Utah – NIH National Cancer Institute; “Mendoza_06.05.20_Ro1”; \$2,613,933. Principal Investigator, Michelle C Mendoza.
25. University of Utah – DHHS National Institutes of Health; “Ro1-Iron Cell Cycle Cross”; \$2,414,180. Principal Investigator, Elizabeth A Leibold.
26. University of Utah – DHHS National Institutes of Health; “Covid: Par-20-178 GTPASE ARDS”; \$1,912,885. Principal Investigator, Weiquan Zhu.

27. University of Utah – DHHS National Institutes of Health; “Par Ro1-Alcohol Chromatin Mod”; \$1,906,250. Principal Investigator, Adrian Rothenfluh.
28. University of Utah – NIH National Cancer Institute; “HDAC1,2 PH+PRE-B-Acute LEUK”; \$1,906,260. Principal Investigator, Srividya Bhaskara.
29. University of Utah – Sarcoma Alliance for Research; “SARC-SPORE 04.24.2020”; \$1,392,990. Principal Investigator, Joshua David Schiffman.
30. University of Utah – US Department of Defense; “BUYS_DOD Partnering-03.28.19”; \$1,294,294. Principal Investigator, Saundra S Buys MD.
31. University of Utah – NIH National Cancer Institute; “Potter_K99_07.12.20”; \$1,018,502. Principal Investigator, David Wetter.
32. University of Utah – NIH National Cancer Institute; “COVID_KOHLI_07.22.2020”; \$3,874,428. Principal Investigator, Manish Kohli MD.
33. University of Utah – NIH Natl Inst Allergy & Infectious Disease; “O’Connell_Ro1RESUB_07.06.2020”; \$2,651,775. Principal Investigator, Ryan M O’Connell.
34. University of Utah – DHHS National Institutes of Health; “OKUYWMI_D43”; \$1,336,040. Principal Investigator, Kolawole S Okuyemi.
35. University of Utah – WM Keck Foundation; “Keck Foundation”; \$1,000,000. Principal Investigator, June Louise Round.
36. University of Utah – DHHS National Institutes of Health; “MorimotoRo1”; \$4,051,415. Principal Investigator, Sarah Shizuko Morimoto.
37. University of Utah- NIH National Eye Institute; “Core Grant”; \$3,812,500. Principal Investigator, Wolfgang Baehr.
38. University of Utah – NIH National Institute Neurology Disorders Stroke; “ALS Neuroimaging Biomarker”; \$3,812,288. Principal Investigator, Robert Cary Welsh.
39. University of Utah – DHHS National Institutes of Health; “Sleep Disparities”; \$3,091,959. Principal Investigator, Kelly Glazer Baron.
40. University of Utah – DHHS National Institutes of Health; “Hughes R35 Renewal”; \$2,681,815. Principal Investigator, Adam Lucas Hughes.
41. University of Utah – DHHS National Institutes of Health; “Endothelial Glycocaly”; \$2,681,815. Principal Investigator, Lisa Lesniewski.
42. University of Utah – NIH National Heart Lung & Blood Inst; “Peripheral Vasoconstriction”; \$2,519,012. Principal Investigator, David Wray.
43. University of Utah – DHHS National Institutes of Health; “PA-20-185 CAO 6.5.20”; \$2,405,530. Principal Investigator, Erhu Cao
44. University of Utah – US Department of Defense; “Sockets VS OI”; \$2,000,000. Principal Investigator, Heath Byron Henninger.
45. University of Utah – DHHS National Institutes of Health; “Resub Ro1GM136792 MRJ 7.6.20”; \$1,906,250. Principal Investigator, Mina Roh.

46. University of Utah – DHHS National Institutes of Health; “Genetic & Neural Circuit Mech.”; \$1,906,250. Principal Investigator, Norman Earl Taylor.
47. University of Utah – DHHS National Institutes of Health; “Dynamic Reprogramming”; \$1,906,250. Principal Investigator, Michael Therron Howard.
48. University of Utah – NIH National Institute of General Medical Sci; “Engineering for Health”; \$1,350,000. Principal Investigator, Louisa A Stark.
49. University of Utah – US Department of Defense; “Beatrice Knudsen DOD Grant”; \$1,182,400. Principal Investigator, Beatrice S Knudsen.
50. University of Utah – DHHS National Institutes of Health; “Geisinger Subcontract 8.2.20”; \$1,027,410. Principal Investigator, Guilherme DelFiol.
51. University of Utah – National Science Foundation; “IHUMANS”; \$3,496,878. Principal Investigator, Ross T Whitaker.
52. University of Utah – National Science Foundation; “Humans and Algorithmic Debias”; \$1,141,871. Principal Investigator, Bei Wang Phillips.
53. University of Utah – Ed Institute of Education Sciences; “Superheroes Social Skills”; \$3,092,421. Principal Investigator, Keith C Radley,
54. University of Utah – Ed Institute of Education Sciences; “Project Fact+R2C2”; \$1,913,770. Principal Investigator Sharlene Akemi Kiuvara.
55. University of Utah – Ed Institute of Education Sciences; “MRVI-DA”; \$1,440,662. Principal Investigator, Christine Clark Bischke.
56. University of Utah – Ed Institute of Education Sciences; “Conjoint-Behavioral Teleconsu”; \$1,497,514. Principal Investigator, Aaron Jason Fischer.
57. University of Utah – Ed Institute of Education Sciences; “IES VR Proposal”; \$1,487,218. Principal Investigator, Aaron Jason Fischer.
58. University of Utah – National Science Foundation; “Life Right Here & Everywhere”; \$1,322,015. Principal Investigator, Nancy Songer.
59. University of Utah – DOE OFC Energy Efficiency & Renew Energy; “DOE AMO 2020 Capture”; \$3,639,370. Principal Investigator, Michael Nigra.
60. University of Utah – US Department of Energy; “MA-AM-ES”; \$3,218,116. Principal Investigator, Yon Lin Kong.
61. University of Utah – DHHS National Institutes of Health; “NIH RO1 Feb 2020”; \$1,863,662. Principal Investigator, Clair Acevedo.
62. University of Utah – National Science Foundation; “DMREF”; \$1,171,593. Principal Investigator, Wenda Tan.
63. University of Utah – Army Medical Research & Materiel; “Nanoparticles for Breast Cancer”; \$1,102,704.
64. University of Utah – DHHS National Institutes of Health; “SCH Covid Survivors”; \$3,451,611. Principal Investigator, Paula Meek.
65. University of Utah – NIH John E Fogarty International Center; “US-Philippines”; \$1,250,000. Principal Investigator, Eric W Schmidt.

66. University of Utah – University of Texas at Austin; “Neuronex2”; \$2,075,164. Principal Investigator, Erik Jorgensen.
67. University of Utah – NIH National Cancer Institute; “Hashibe_UG3_Mountainwest”; \$9,981,342. Principal Investigator, Mia Hashibe.
68. University of Utah – NIH National Heart Lung & Blood Institute; “Dosdall Atrial Fibrosis Resub”; \$3,774,375. Principal Investigator, Derek James Dosdall.
69. University of Utah – NIH National Heart Lung & Blood Inst; “Shaw Hong TTUBULE Microdomain”; \$2,801,463. Principal Investigator, Robin Mark Shaw.
70. University of Utah – DHHS National Institutes of Health; “Shaw and Junco Ro1”; \$2,141,803. Principal Investigator, Robin Mark Shaw.
71. University of Utah – DHHS National Institutes of Health; “Covid: Heparan Sulfate”; \$1,730,386. Principal Investigator, Owen Chan.
72. University of Utah – DHHS National Institutes of Health; “Covid: MPI Immunothrombosis”; \$1,274,532. Principal Investigator, Christian C Yost.
73. University of Utah – NIH National Institute Diabetes; “(SLIMM) 2 STudey Ro1”; \$3,598,550. Principal Investigator, Srinivasan Beddhu.
74. University of Utah – NIH National Institute Allergy & Infectious Disease; “Biomarkers of Covid-19”; \$3,109,962. Principal Investigator, Theodore G Liou.
75. University of Utah – NIH National Eye Institute; “Connect Funct Inhibit Neuron”; \$2,915,711. Principal Investigator, Alessandra Angelucci.
76. University of Utah – DHHS National Institutes of Health; “Williams Ro1”; \$2,460,168. Principal Investigator, Megan E Williams.
77. University of Utah – DHHS National Institutes of Health; “DP2 English 8.21.20”; \$2,287,500. Principal Investigator, Justin Gregory English.
78. University of Utah – DHHS National Institutes of Health; “RFA-RM-20-012 N Link 8.21.20”; \$2,287,500. Principal Investigator, Monica L Vetter.
79. University of Utah – DHHS National Institutes of Health; “DP2 Jim Yews 8.21.20”; \$2,287,500. Principal Investigator, Jim Heys.
80. University of Utah – DHHS National Institutes of Health; “Ro1-PA-18-484 Jan Christian”; \$2,102,175. Principal Investigator, Jan Louise Christian.
81. University of Utah – NIH National Eye Institute; “Pigment Regeneration Mech.”; \$1,994,189. Principal Investigator, Frans Johan Vinberg.
82. University of Utah – NIH National Eye Institute; “Inflammation A1”; \$1,926,125. Principal Investigator, David Krizaj.
83. University of Utah – DHHS National Institutes of Health; “Covid-10: Ro1 Epstein Barr”; \$1,906,250. Principal Investigator, Sankar Swaminathan.
84. University of Utah – DHHS National Institutes of Health; “Resub Ro1DCo18814 7.6.20”; \$1,906,250. Principal Investigator, Sungjin Park.
85. University of Utah – NIH National Eye Institute; “Overt Attention”; \$1,906,250. Principal Investigator, Behrad Noudoost.

86. University of Utah – NIH National Eye Institute; “Mechanisms Underly CD3 Guide”; \$1,906,250. Principal Investigator, Ning Tian.
87. University of Utah – US Department of Defense; “DOD Expansion”; \$1,906,250. Principal Investigator, Candace Lorraine Floyd.
88. University of Utah – NIH National Eye Institute; “Function of C8ORF37 Renewal”; \$1,906,250. Principal Investigator, Jun Yang.
89. University of Utah – DHHS National Institutes of Health; “RO1MH109577 Renewal-C. Gregg”; \$1,906,250. Principal Investigator, Christopher T Gregg.
90. University of Utah – DHHS National Institutes of Health; “New RO1 Park”; \$1,906,250. Principal Investigator, Sungjin Park.
91. University of Utah – DHHS Agency for Healthcare Research & Quality; “Matsen RO1 AHRQ Oct2019”; \$1,884,517. Principal Investigator, Cindy Brown Matsen.
92. University of Utah – DHHS National Institutes of Health; “Covid-19 Evaluation in U POP”; \$1,785,013. Principal Investigator, Kimberley I Shoaf.
93. University of Utah – NIH National Institute Allergy & Infectious Disease; “VVA (Covid-19)”; \$1,746,121. Principal Investigator, Rachael Mary Jones.
94. University of Utah – NIH National Eye Institute; “Role of INPP5E”; \$1,525,000. Principal Investigator, Wolfgang Baehr.
95. University of Utah – NIH National Human Genome Research Inst; “RO1 Interactive Analysis Tool”; \$1,372,500. Principal Investigator Karen Eilbeck.
96. University of Utah – National Science Foundation; “NSF Career Zelikowsky 8.11.20”; \$1,219,025. Principal Investigator, Moriel Zelikowsky.
97. University of Utah – NIH National Institute Biomedical Imaging & Bioeng; “Tools for Neural Data Analysis”; \$1,143,750. Principal Investigator, Neda Nategh.
98. University of Utah – NIH National Center for Advancing Translate Sciences; “Covid-19 CCTS Admin Supp”; \$1,126,101. Principal Investigator, Rachel Hess.
99. University of Utah – DHHS National Institutes of Health; “Cell Adhesion Models”; \$2,287,500. Principal Investigator, Tamara Carla Bidone.
100. Utah State University – US Department of Health and Human Services – Office of Family Assistance; “Fathers Incarcerated Re-entry Education”; \$4,990,000. Principal Investigator, Brian J Higginbotham.
101. Utah State University – US Department of Health and Human Services – Office of Family Assistance; “Relationship Education for Adults Living in Stepfamilies”; \$4,925,000. Principal Investigator, Brian J Higginbotham.
102. Utah State University – National Institutes of Health; “Molecular sensors for metabolic programming of the sperm epigenome and offspring physiology”; \$1,796,285. Principal Investigator, Mirella L Meyer-Ficca.
103. Utah State University – US Department of Energy; “DC Current Power Distribution System for Marine Energy Distribution at Sea”; \$1,300,000. Principal Investigator, Hongjie Wang.

104. Utah State University – National Institutes of Health; “Diversifying biomedical workforce by strengthening your STEM Pathways”; \$1,410,757. Principal Instigator, David Williams Francis.
105. Utah State University – US Department of Comm.-Economic Development Admin; “Remote Online Initiative”; \$1,293,463. Principal Investigator, Paul Allen Hill.
106. Utah State University – US Department of Energy; “Increasing Affordability, Energy Efficiency, and Ridership of Transit Bus Systems through Large-Scale Electrification”; \$1,254,800. Principal Investigator, Ziqi Song.
107. Utah State University – NASA Jet Propulsion Laboratory; “The Space Dynamics Laboratory will fabricate, test, and deliver six 6U spacecraft to Jet Propulsion Laboratory in support of the Sun Radio Interferometer Science Experiment Mission.”; \$12,620,460. Principal Investigator, Tim Neilsen.
108. Utah State University – NASA Goddard Space Flight Center; “The Space Dynamics Laboratory will build the Advanced Mesospheric Temperature Mapper for the Atmospheric Waves Experiment. AWE is a low-risk, space-weather mission that uses proven technologies for observing gravity waves from ground stations and aircraft.”; \$3,617,886. Principal Investigator, Burt Lamborn,
109. Utah State University – University of Colorado Boulder; “The Space Dynamics Laboratory will perform ground calibration validation of the Libera flight payload.”; \$5,900,384. Principal Investigator, Gabe Loftus and James Peterson.
110. Utah State University – Tyvak Nano-Satellite Systems, Inc; “2 Flight Model Iris Radios for Small Innovative Missions for Planetary Exploration missions Escape and Plasma Acceleration and Dynamics Explorers.”; \$1,991,700. Principal Investigator, Tim Neilsen.
111. Utah State University – NASA Jet Propulsion Laboratory; “The Space Dynamics Laboratory will design, fabrication, and testing of a Cryogenic Thermal Subsystem for the Roman Coronagraph Instrument being built by Jet Propulsion Laboratory.”; \$2,088,649. Principal Investigator, Gabe Loftus.
112. Utah State University – NASA Jet Propulsion Laboratory; “The Space Dynamics Laboratory will design, fabrication, and testing of a Cryogenic Thermal Subsystem for the Roman Coronagraph Instrument being built by Jet Propulsion Laboratory.”; \$2,056,243. Principal Investigator, Gabe Loftus.
113. Utah State University – Stanford University; “Advancing a Lead Broad Spectrum Antiviral P1-Kinase Inhibitor to the Clinic for Enteroviruses and COVID-19”; \$1,070,000. Principal Investigator, Brett L Hurst.
114. Utah State University – US National Science Foundation; “Leveraging community science and technology to quantify the role of breeding vs. non-breeding demographic processes in determining range limits of migratory birds”; \$1,017,505. Principal Investigator, Clark Sawyer Rushing.
115. Utah State University – US Department of Ed. – Institute of Education Sciences; “Professional Development for Educators and School Based Service Providers: Narrative

- Skills Instruction in the Classroom”; \$1,999,423. Principal Investigator, Sandra Laing Gillam; Co-Investigators, Tyson Stanley Barrett, Jayne Brandel.
116. Utah State University – US Department of Health & Human Services; “Necessary Education and eXperiential Training for Upcoming Para-professionals”; \$2,295,762. Principal Investigator, Maren Wright Voss; Co-Investigator, Tyson Stanley Barrett, Derrik R Tollefson.
 117. Utah State University – Lockheed Martin Space Systems; “Provide Lockheed Martin with a micro camera and lenses with various options of quantities.” \$4,003,408. Principal Investigator, Jeff Donofrio, Amy Secrist.
 118. Utah State University – L3HARRIS Technologies, Inc.; “Further enhance Space Dynamic Laboratories Cyber and Networking”; \$1,938,381. Principal Investigator, Matt Cupal.
 119. Utah State University – Ball Aerospace and Tech; “The Space Dynamics Laboratory will provide the Relative Calibration System, thermal straps, and independent thermal modeling for the Wide Field Infrared Survey Telescope program.”; \$1,527,553. Principal Investigator, Jeff Coleman.
 120. Utah State University – University of Colorado Boulder; “The Space Dynamics Laboratory will perform ground calibration validation of the Libera flight payload.” \$5,228,284. Principal Investigator, Gabe Loftus, James Peterson.
 121. Utah State University – Misc. Federal Sponsors; “Space Dynamics Laboratory will provide new capabilities for the Virtual Imagery Processing Capability product, including enhancements to the VANTAGE software and Sky Lynx hardware.” \$6,196,567. Principal Investigator, Shane Jenkins.
 122. Utah State University – Missile Defense Agency; “The Space Dynamics Laboratory will address the requirements for SDL to conduct and Integrated Intelligence Enterprise Assessment in support of growing GEOINT needs within Customs and Border Protection. This will include a detailed assessment of the CBP IIE hardware, software, tools, and capabilities for data processing and sensor analysis. SDL will also help define an overall architecture, to include the continued design and refinement of technical prototype systems and associated Intelligence Surveillance and Reconnaissance collection tools.” \$2,102,567. Principal Investigators, John Kratz, David Marchant.
 123. Utah State University – Army-General; “The Space Dynamics Laboratory will support the US Army Space and Missile Command in developing and providing current and future global space, missile defense, and high-altitude capabilities to the Army, Joint Force, and allies and partners, to enable multi-domain combat effect; enhance deterrence, assurance, and detection of strategic attacks; and protect the nation.”; \$75,556,918. Principal Investigator, Scott Conner.

F. AWARDS

1. University of Utah – National Science Foundation; “CSOE”; \$4,000,000. Principal Investigator, Shelly D Minter.
2. University of Utah – WM Keck Foundation; “Keck Foundation”; \$1,000,000. Principal Investigator, June Louise Round.
3. University of Utah – US Department of Defense; “Reloadable Antimicrobial Pouch”; \$4,085,261. Principal Investigator, Dustin Lee Williams.
4. University of Utah – US Department of Education; “COVID 19 - CARES HEERF Institutional”; \$9,362,665. Principal Investigator, Cathy Anderson.
5. University of Utah – NIH National Institute Dental Craniofacial Research; “Connect, Compare, and Change”; \$1,329,730. Principal Investigator, Kathy Chapman.
6. University of Utah – US Department of Energy; “MUSE”; \$2,356,250. Principal Investigator, Darryl P Butt.
7. University of Utah – NIH Natl Inst Neurology Disorders Stroke; “Add Contract Renewal”; \$4,145,226. Principal Investigator, Karen S Wilcox.
8. University of Utah – Army Medical Research & Materiel Command; “KT-1 Combined ANTIPD1 Thera”; \$1,509,750. Principal Investigator, Jiyuan Yang.
9. University of Utah – NIH Office of the Director; “Stanford Echo UG3/UH3 Apr 2016”; \$2,612,275. Principal Investigator, Joseph Stanford.
10. University of Utah – Novartis Pharmaceutic ALS Corp; “CMBG453C12201”; \$1,241,196. Principal Investigator, Tibor Kovacsovics.
11. University of Utah – NIH National Cancer Institute; “Electronic Medical Record”; \$1,040,133. Principal Investigator, Kimberly A Kphingst.
12. University of Utah – Paul G Allen Family Foundation; “Frontiers Group 2020”; \$1,500,000. Principal Investigator, Katharine S Ullman.
13. University of Utah – NIH National Inst of General Medical Sci; “Cheetah P50 Renewal”; \$4,820,552. Principal Investigator, Wesley I Sundquist.
14. University of Utah – DOT National Highway Traffic Safety Admin; “Nemesis Tac”; \$2,921,443. Principal Investigator, Newell C Mann.
15. University of Utah – Biogen; “Biogen Embark”; \$2,593,097. Principal Investigator, Norman Foster.
16. University of Utah – US Department of Defense; “Minute”; \$1,967,850. Principal Investigator, Mary Jo Pugh.
17. University of Utah – Amicus Therapeutics Inc; “ATB200-07”; \$1,474,385. Principal Investigator, Nicola Longo.
18. University of Utah – American Heart Association; “AHA/PCORI Decide Center Grant”; \$1,188,646. Principal Investigator, Angela Fagerlin.
19. University of Utah – NIH National Cancer Institute; “TRO1 RFA-RM-19-007 B. Bass”; \$1,182,389. Principal Investigator, Brendal Bass.
20. Utah State University – US Department of Education; “USU Up to 3 Early Intervention Program SFY 2021”; \$1,294,934. Principal Investigator, Susan E Thain Olsen.

21. Utah State University – NASA Goddard Space Flight Center; “Atmospheric Waves Experiment”; \$3,597,648. Principal Investigator, Burt Lamborn.
22. Utah State University – US Department of Education; “Utah State University STARS! GEAR UP Partnership”; \$2,366,400 Principal Investigator, Kimberly Hardiman Lott.
23. Utah State University – US Department of Education; “GEAR UP 3: Utah State University STARTS!-GEAR UP Partnership”; \$2,187,197. Principal Investigator, Colby Tofel-Grehl.
24. Utah State University – US National Science Foundation; “NSF Engineering Research Center for Advancing Sustainability through Powered Infrastructure for Roadway Electrification”; \$3,500,000. Principal Investigator, Regan Zane; Co-Investigators, Christopher Fawson, Antje Graul, Marvin W Halling, Nicholas Roberts.
25. Utah State University – NASA Jet Propulsion Laboratory; “Sun Radio Interferometer Space Experiment”; \$1,477,371. Principal Investigator, Tim Neilsen.
26. Utah State University – Air Force Research Laboratory; “Advanced Military Space Sensor Systems Task Order 3 – Hybrid Architecture Demonstrations”; \$2,391,540. Principal Investigator, Alex Pena.
27. Utah State University – Missile Defense Agency; “Wide-Field-of-View Testbed Mission Data Processing & Sensor Calibration Campaign Research & Development”; \$1,050,000. Principal Investigator, John Seamons.
28. Utah State University – Missile Defense Agency; “Future Operationally Resilient Ground Evolution Open Repository and Code Escrow”; \$3,456,782. Principal Investigator, Tom Bernhardt.
29. Utah State University – Naval Research Lab; “Maui”; \$5,250,000. Principal Investigator, Brad Petersen.
30. Utah State University – Virtual Imagery Processing Capability Ordering Period 4”; \$12,000,000. Principal Investigator, Glen Wada.