The School of Science and Technology 2025 Strategic Plan helps guide strategy, promote communication and unify efforts across the School in support of campus priorities. The 2019-20 Strategic Action Plan led by the SST Implementation Team tracked progress, refined tactics and outlined the 2020-21 Action Plan (http://scitech.sonoma.edu/about-us/strategic-priorities). Highlighted below are several major accomplishments this past year:

**STUDENT SUCCESS**

With leadership in the School of Science and Technology, Sonoma State University is participating in the Sit With Me (http://scitech.sonoma.edu/wit/sit-with-me) campaign as a National Center for Women & Information Technology (NCWIT) Academic Alliance member. Sit With Me is a national advocacy campaign designed to encourage women in computer careers, created by the NCWIT.

Engineering students mentored by Dr. Nansong Wu, Assistant Professor of Engineering Science, were awarded first place honors at both the 2020 IEEE SusTech Conference Student Poster Contest and the 2020 CSU Student Research Competition.

Brieanne Forbes, a biology graduate student in Dr. Lisa Bentley’s research lab, received a $25,000 Graduate Research Innovation Award (GRIN) administered by the national Joint Fire Science Program (JFSP), a partnership of six federal wildland fire management and research agencies that work to address problems associated with managing wildland fuels, fires, and fire-impacted ecosystems.

**ACADEMIC EXCELLENCE AND INNOVATION**

Sonoma Mountain Connection (SMC) funded by a $1 million gift from the Koret Foundation. SMC is a two-year cohort program for first-time, first-year students in Science, Technology, Engineering, and Math (STEM) majors. SMC provides students a summer research immersion and enriched academic year experience. SMC integrates three of the highest-impact educational practices documented to improve academic success: cohorting, research experiences, and outdoor learning.

Drs. Carmen Works and Jennifer Lillig, both of the Chemistry Department, were awarded $1.3 million awarded by the California Education Learning Lab. Works and Lillig are collaborating with colleagues at UC Berkeley, College of Marin and Diablo Valley College to create online transferrable modules for gateway STEM courses that will be available to college faculty statewide. The project’s aim is to create more equitable and inclusive classrooms to retain underrepresented students in the sciences.

The National Science Foundation awarded $2.2 million to Drs. Brigitte Lahme, Ben Ford and Omayra
Ortega of the Mathematics and Statistics Department for their proposal *Transformative Inclusion in Postsecondary STEM: Towards Justice (TIPS Towards Justice)*. TIPS Towards Justice aims to increase the participation and success of Latinx students in STEM by transforming STEM department cultures to become truly “Hispanic-Serving.” Starting in the Mathematics and Statistics Department followed by other STEM departments, the project team will develop, test, and publish a two-year departmental pathway that will address persistent marginalization and underrepresentation of Latinx students in STEM—a necessary step if the talents of a growing Latinx population are to benefit the country.


The Commission on Collegiate Nursing Education (CCNE) conducted a successful accreditation visit in Fall 2019. Further, the Nursing Department is listed among the best undergraduate programs in California and the nation as a whole. In its list of the “25 Best Undergraduate Nursing Schools in 2019,” GradReports.com ranked Sonoma State as No. 1 in the nation based on median salary of graduates one year after graduation. RegisteredNursing.org also recently ranked the SSU nursing program No. 4 out of 127 different nursing programs evaluated in California. The list is based on exam pass rates for all RN programs over the past five years as well as other factors.

**LEADERSHIP CULTIVATION**

Dr. Omayra Ortega of the Mathematics and Statistics Department was awarded the 2020 Association for Women in Mathematics Service Award. The AWM Service award recognizes individuals for helping to promote and support women in mathematics through exceptional voluntary service to AWM in outreach, new initiatives, and inclusion.

**TRANSFORMATIVE IMPACT**

Early pipeline outreach and experiences continue to be prioritized in SST:

- **2019 Summer High School Internship Program** ([https://scitech.sonoma.edu/ship](https://scitech.sonoma.edu/ship)). SST and SCOE partnership supported seventeen interns, selected from over seventy four applicants from Sonoma County public high schools, and nine faculty mentors. Interns worked on research in the Departments of Biology, Chemistry, Computer Science, Engineering Science, Nursing, Physics and Astronomy, and SSU E/PO. Interns presented their research at the SHIP Symposium in September. This year, they were joined by undergraduate SSU students presenting their MESA-funded summer research.

- **2019 Tinker Academy for Middle School Students.** For the second year, the School of Science and Technology hosted the Tinker Academy in the SSU Makerspace. Funded by the Sonoma County Career Technical Education Foundation, this two-week summer program engaged 24 middle school students in Maker activities that inspired them to explore their interests in making and develop technical, mathematical, and design abilities. The 2020 Academy will be conducted remotely with maker boxes going to all participants.

- **SSU Engineering Summer Camp.** In summer 2019, the Engineering Department at Sonoma State University launched its first Summer Engineering Camp. A total of 28 students, ranging from sophomores to seniors, from local schools in Sonoma County participated in the camp. The purpose of this hands-on program was to introduce the students to engineering design,
innovation, analysis, planning, teamwork and communication skills in a fun and creative environment. The funding for this program was provided by Keysight Technologies, Inc., a long-time supporter of the engineering program at Sonoma State University.

The School of Science & Technology 2020-2021 Strategic Plan and Priorities:
[scitech.sonoma.edu/about-us/strategic-priorities]

Accomplishments Summary Listed by Area and Unit

<table>
<thead>
<tr>
<th>A. PUBLICATIONS</th>
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<td>1. Biology</td>
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Science (in press).


2. Chemistry


3. Computer Science

a. J. B. Martinez and **G. Gill**, "Comparison of Pre-Trained vs Domain-Specific Convolutional Neural Networks for Classification of Interstitial Lung Disease," 2019 International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas, NV, USA, 2019, pp. 991-994.


c. 2020 Virtual Research Gallery (though, I’m unsure why it’s not showing up; I can present a poster of what they submitted).


g. **Taneja, S.** Evaluating Energy-efficiency of State-of-the-art CPUs and GPUs using Machine Learning Benchmarks.

### 4. Engineering Science


### 5. Geology


d. **James, Matthew J.** An important development for me is that the soft cover edition of my book appeared, following on the publication of the hardcover in 2017, with a new map created by SSU alumna Sara Schmunk.


### 6. Mathematics & Statistics

a. Covington, Judith; Eubanks-Turner, Christina; **Ford, Ben;** Hendrix, Timothy; Zbiek, Rose Mary. My Best Student Wants to Teach! Focus, Mathematical Association of America, April/May 2020

f. **B. Lahme**: Illustrative Mathematics 9-12 Math Curriculum, 2019 (co-author). Illustrativemathematics.org
g. **B. Lahme**: Illustrative Mathematics Elementary Math Curriculum, 2020 (co-author, pilot). Illustrativemathematics.org

7. Nursing

a. **Altaker, Krista**: Palliative Care in our Community - Can We Collaborate? Abstract, Poster: CSU Palliative Care Institute Symposium SanDiego October 2019;
b. **Altaker, Krista**: Also in SSU Faculty Research Gallery, May 2020.
c. **Ritter, B.** Book Chapter on Telehealth in review for 2020 publication.

8. SST Dean’s Office


9. SSU EdEon


r. “Model comparison from LIGO—Virgo data on GW170817’s binary components and consequences for the merger remnant” Abbott, B. P. and 1199 co-authors including L. Cominsky, Classical and Quantum Gravity, Volume 37, Issue 4, id.045006 (2/20)

s. “A guide to LIGO-Virgo detector noise and extraction of transient gravitational-wave signals” Abbott, B. P. and 1137 co-authors including L. Cominsky, Classical and Quantum Gravity, Volume 37, Issue 5, id.055002 (3/20)


dd. "Aliens and Habitable Planets: Engaging the Public in scientific practices characterizing exoplanet orbits" Peticolas, L. M., Spear, G., **Cominsky, L.** and 9 other authors. American Geophysical Union, Fall Meeting 2019, abstract #ED11B-0859


B. PRESENTATIONS

1. Biology

a. **LP Bentley** - TLS in Ecology Conference, Finland
d. **Crocker, D.E**. Stress ecology of marine mammals. Invited seminar, University of Nevada, Reno December, 2019
e. **Gilmore, K**. October 12, 2019 I presented a talk at the Laguna de Santa Rosa Foundation titled "Fostering a Network of Interdependence: Native Plants for Native Pollinators" that was part of the California Native Plant Society's plant sale/open house
f. **Gilmore, K**. April 18th, 2020 I presented a webinar in conjunction with Daily Acts and Petaluma Bounty called "How to Go on Your Own Insect Safari." We originally planned to do this workshop at Petaluma Bounty Farm but had to pivot to online.
j. **Lin, J**. 1st International Conference on Persulfide and Sulfur Metabolism in Biology and Medicine at Tohoku University in Sendai, Japan as an invited speaker (Sept 2019).
k. **Rank, N.E**. Society of Integrative and Comparative Biology: 2020 (Austin, Tx, USA)- 2 coauthored posters and one coauthored talk.
l. **Rank, N.E**. Society of Integrative and Comparative Biology: 2019 (Tampa, FL USA)- 1 talk at symposium on mitonuclear interactions (N. E. Rank).
m. **Rank, N.E**. Feb 2020- Sonoma State University Department of Biology
n. **Rank, N.E**. Dec 2019- Pacific Coast Entomological Society, San Francisco
o. **Rank, N.E**. Sep 2019- North Coast Resource Conservation & Development Council, Santa Rosa
p. **Rank, N.E**. Sep 2019- Friends House, Santa Rosa
q. **St. John, W**. Community presentations (hosted by the CEI): "Identifying Invertebrates with Aqua Bugs"; "Drivers of Nesting Behavior in the Western Pond Turtle"

2. Chemistry

a. **Farmer, S**. In Fall 2019, I gave public outreach talks at Roseland University Prep. in Santa Rosa and Orchard View High School in Sebastopol. These talks were designed to increase the student's awareness and interest in chemistry.
b. Farmer, S. I presented as part of the Faculty Excellence Lecture Slam event for SSU’s Center for Academic Access & Student Enrichment. The purpose of this presentation was to engage Summer Bridge students by teaching them about a difficult or challenging concept.

c. Farmer, S. I presented a workshop entitled, "Formulating the Research Question" to members of SSU’s McNair Scholars Program.

d. M.J. Perri, "Can a supercomputer help you learn chemistry?" https://sciencenode.org/feature/Can%20a%20supercomputer%20help%20you%20learn%20chemistry.php Dec. 9, 2019


i. Works, C. Abstract accepted to AACU’s Meeting on Equity and Diversity; cancelled due to COVID-19.

3. Computer Science

a. Leal, A. Advisor for student presentations (Lily Raaka, Suyeon Shin) done in SHIP Symposium, Sept 11.

b. Leal, A. Psychology of Creativity guest lecturer. Presenter of makerspace and relevant opportunities for students.

4. Engineering Science


b. Kassis, S. Co-led pre-conference professional development workshops for faculty on the use of virtual reality technologies in the classroom at the University of Iowa.


d. Kassis, S. Presented at EDUCAUSE Annual Conference in Chicago, October 2019 with colleagues from SDSU, North Carolina State University, Penn State University on ‘Scaling XR Teaching and Learning: Development, Delivery, and Assessment Strategies’.

e. Kassis, S. Attended and brought four students to present a poster on the Journey of Raindrop VR app at the American Geophysical Union (AGU) Conference in December 2019 in San Francisco.


5. Geology

a. Accepted but canceled due to Covid 19: *Finley, J., Anfinson, O.A., Odlum, M., *Levang, D.,

f. Anfinson, O.A. Postponed due to Covid 19- Presenter- University of California, Berkley, Isotope Geochemistry Seminar (2020)
g. James, MJ I gave an hour-long presentation to the northern California branch of MENSA at their annual gathering, held at the DoubleTree by Hilton Sonoma Wine Country in Rohnert Park on November 23, 2019. The topic of my talk was the subject of my book, Collecting Evolution published by Oxford University Press.

k. Myers, N. Santa Rosa Mineral & Gem Society - I annually present a geology topic at our local rock club to promote connections between public clubs & the Geology Department

6. Mathematics & Statistics

a. Byrne, M. MAA MathFest, 2019, Cincinnati, OH. “Divisibility, modular Arithmetic, and Induction, oh my!: My favorite number theory proof to use in an intro to proofs class”
b. Byrne, M. Joint Mathematics Meetings, 2020, Denver, CO. Co-facilitated a session on best practices in group work in undergraduate math courses. Also presented with Dr. Natalie Hobson on early results from the Math and Stats Department’s stretch program.
c. Byrne, M. Presented a talk on Euclidean and non-Euclidean Geometry and the art of M.C. Escher at the Piner High School STEM cafe event in February.

7. Nursing
a. Altaker, K. OBTEP presentation on Use and Writing of Student Learning Outcomes for Online Courses.
c. Altaker, K. Student Research presentations in Fall 2019: Evidence-Based Practice projects for FNP students who collaborated with community partners to address a healthcare need; and BSN students who brought evidence-based recommendations to practice settings.
d. Coleman-Smith, J. Presented a PowerPoint to various agencies and the county in order to gain their support in allowing our students to participate in telehealth opportunities to meet virtual direct clinical hours.
e. Rockett, K. Cardiology Lecture FNP program SSU
f. Rose, J. SSU Virtual Research Gallery: Insulin Pumps and Continuous Glucose Monitoring in Type II Diabetes
h. Werder, K. Nursing Mutual Aid 2020 Conference - Person-first language in Opioid Use Disorder
i. Werder, K. Sonoma State University Department of Nursing Nurse Practitioner Program-Mental Health in Primary Care

8. Physics & Astronomy

a. Miller, A. “Measurements of Topology in Quantum Gravity”, Five-minute pre-recorded presentation, Virtual Research Gallery, Sonoma State University
b. Miller, A. “Applications of Group Theory in Physics”, Invited hour-long talk to students and faculty, Department of Mathematics Colloquium, Sonoma State University
c. Miller, A. “On Symmetry”, Invited hour-long talk to students and faculty, Department of Physics and Astronomy Colloquium, San Francisco State University
d. Miller, A. “Measuring Topology in Quantum Gravity”, Invited hour-long talk to students and faculty, Department of Physics and Astronomy Colloquium, San Jose State University
e. Miller, A. “On Symmetry”, Invited hour-long talk to students, faculty, and the broader Sonoma County community, What Physicists Do Series, Sonoma State University

9. SST Dean’s Office

a. D’Errico, M. NSF Workshop on Creating Inclusive Cultures in Engineering – Cancelled/postponed April 22-23, 2020
b. D’Errico, M. University of California office of the president: College Access and Preparation Forum Presentation “STEMbytes”: An interactive peer tutoring strategy for student success” Cancelled/Postponed June 4-5th, 2020

C. NEW FUNDING AWARDED IN 2019-20

1. Biology

b. **Bentley, LP**. California State University Agricultural Research Initiative (CSU ARI), “Quantifying aboveground carbon stocks and fire fuels across diverse gradients to inform natural resource management in light of climate change”, $450K (PI)


e. **Crocker, DE**. 2019. NSF – Integrative Organismal Systems - Collaborative Research: Role of endogenous carbon monoxide (CO) in hypoxia tolerant species. $67,743 to SSU (Co-PI, 8/15/19-8/14/22).

f. **Hua, LL**. SSU SST Innovation Grant: $10,000

g. **Hua, LL**. CSUPERB New Investigator grant: $15,000 (Start date 6/1/20)

h. **Rank, NE**. California Conservation Genomics Program- May 2020. Co-wrote proposal submitted by Caroline Williams of UC Berkeley to include Chrysomela aeneicollis, the leaf beetle I study, among 150 California native species whose genomes would be sequenced to conserve biodiversity across the state. $49,860, funds awarded to UC Berkeley.

i. **St. John, W**. $750 for participating in Ally Pilot Program

2. Chemistry


3. Computer Science

a. **Gill, G**. Classifying wildlife from camera trap images. WATERS grant, $1000


4. Engineering Science

a. **Kassis, S**. Project: Journey of a Raindrop through the Fairfield Osborn Preserve, Norwich Memorial Fund Award, Center for Environmental Inquiry, Award: $2000

b. **Kassis, S**. Project: 2020 California Solar Regatta, Waters Collaborative Award, Center for Environmental Inquiry, Award: $300

c. **Shrestha, S**. Natural Language Processing for Robotic Navigation through Unknown Environments, Research, Scholarship, Creative Activities Program (RSCAP) Mini Grant, $7000

d. **Shrestha, S**. Natural Language Processing for Robotic Navigation through Unknown Environments, Office or Research and Sponsored Programs Student Research Award, $750

5. Geology


b. **Anfinson, OA**. SSU Research Scholarship and Creative Activity Program (RSCAP) 2020 Summer Fellowship ($5000)

c. **Anfinson, OA**. 2019. SST Innovation and Strategic Priorities, $9491 (New Field iPads for SSU Geology Students)
### 6. Mathematics & Statistics

- **Byrne, M.** Senior personnel (though not a PI or part of the grant-writing team) on a $5 million grant that was awarded through the NSF this spring. Drs. **Brigitte Lahme, Omayra Ortega,** and **Ben Ford** are the PIs on the grant.
- **Ford, B.** Transformative Inclusion in Postsecondary STEM: Towards Justice (co-PI), NSF, $2.2 million
- **Ford, B.** California Mathematics Project: North Coast, State of California, $87,000
- **Lahme, B.** Transformative Inclusion in Postsecondary STEM: Towards Justice (TIPS Towards Justice) (PI, $2,200,000. NSF 19-540 Improving Undergraduate STEM Education: Hispanic-Serving Institutions, Co-PIs: B. Ford, O. Ortega)

### 7. Nursing

- **Werder, K.** The Regents of the University of California, San Francisco/Department of Health & Human Services, Substance Abuse and Mental Health Services Administration: “Advancing Drug & Opioid Prevention and Treatment (ADOPT),” additional funding of $15,920 for a total of $27,646

### 8. Physics & Astronomy

- **Miller, A.** Summer RSCAP Fellowship, $5000, Project: A Study of the Universal Properties of Nearly Scale Invariant Systems
- **Miller, A.** Teagle Faculty-Led Curricular Redesign Grant, $7703, Project: New B.A. in Physical Science
- **Severson, S.** Travel Grant, SSU, $1875.
- **Severson, S.** Student Success Display, School of Science and Technology, $600.
- **Severson, S.** Co-investigator, Teagle Foundation Faculty-Led Curriculum Redesign for Student Success Program, Physical Science Degree Program $10,500

### 9. SSU EdEon

- **Cominsky, LR.** Project Title: Interstellar Mapping and Acceleration Probe Student Collaboration. P.I.: Laura Peticolas (SSU). Sponsor: University of New Hampshire; NASA / Heliophysics. POC: Noé Lugaz (noe.lugaz@unh.edu). Period: 4/1/2020 – 4/30/2025. Amount: $980,356 SSU subaward. Effort: 0.6 months during the academic year, 0.2 months during the summer
- **Cominsky, LR.** Project Title: Standard: Expanding STEM Ethics Education to Reduce Gender Bias and Sexual Harassment. Principal Investigator: Matthew Paolucci. Sponsor: NSF/CCE-STEM. POC: Frederick M. Kronz (SBE), (703) 292-7283, fkronz@nsf.gov. Period and Amount: 9/1/20 – 8/31/23; $320,803. FTE Work-Years: 0.6 months during the academic year.
- **Cominsky, LR.** HelpProject Title: NASA’s Neurodiversity Network (N3). Sponsor: NASA. POC: Lin Chambers, lin.h.chambers@nasa.gov 757-864-4371. Period and Amount: 1/1/21 – 12/31/25; $4,962,523. FTE Work-Years: 3 months during the academic year.

### D. CONTINUED FUNDING

1. **Biology**
<table>
<thead>
<tr>
<th>Area</th>
<th>Project Description</th>
<th>Funding</th>
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<tbody>
<tr>
<td></td>
<td><strong>2018 Office of Naval Research - Developing metrics of animal condition and their linkage to vital rates: Further development of the PCOD model. $134,976 (Co-PI, 8/1/18-7/31/20).</strong></td>
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<td><strong>2018 Office of Naval Research - On-board calculation and telemetry of the body condition of individual marine mammals. $40,000. (Co-PI, 8/1/18-7/31/20).</strong></td>
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<td></td>
<td><strong>National Science Foundation (NSF). Integrative Organismal Systems, Ecological and Evolutionary Physiology. Physiological and genetic responses to winter in a willow leaf beetle. C. M. Williams (co-PIs: J. T. Stillman, N. E. Rank and E. P. Dahlhoff) $750,102 (5/16-12/20).</strong></td>
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<td><strong>Adaptive significance of genomic variation in a montane insect. E. P. Dahlhoff and N. E. Rank (Sr. Scientist C. W. Wheat). $843,224 (5/15-12/20).</strong></td>
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<tr>
<td>2. Chemistry</td>
<td><strong>California Learning Lab. Developing Student Identity and Self-Perception as Capable STEM Thinkers and Learners 1.3 M. FUNDED</strong></td>
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<td><strong>NSF-RUI Funding for Iron-Iron Hydrogenase Project. $180K. FUNDED.</strong></td>
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<td><strong>NSF grant QB099, EarthCube Data Infrastructure: Collaborative Proposal: A unified experimental-natural digital data system for analysis of rock microstructures: $93,791.</strong></td>
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<tr>
<td>4. Mathematics &amp; Statistics</td>
<td><strong>Make Math REAL: Realize Equity to Activate Learners (PI; collaborative with UC Berkeley), NSF, $1.2 million (half SSU, half UC Berkeley).</strong></td>
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<td><strong>Transformative Inclusion in Postsecondary STEM: Towards Justice, CSU STEM-NET Grant (PI, $50,000, Co-PIs: B. Ford, O. Ortega)</strong></td>
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<td>5. Nursing</td>
<td><strong>Song-Brown Grant Co-Author: $144,000</strong></td>
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<td><strong>The Regents of the University of California, San Francisco/Department of Health &amp; Human Services, Substance Abuse and Mental Health Services Administration: “Advancing Drug &amp; Opioid Prevention and Treatment (ADOPT),” additional funding of $15,920 for a total of $27,646</strong></td>
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<tr>
<td></td>
<td><strong>Song Brown OSHPH - Rural Family Nurse Practitioner Program $144,000</strong></td>
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<tr>
<td>6. Physics &amp; Astronomy</td>
<td><strong>Lab Innovations with Technology (LIT) grant, CSU, Virtual Reality in ASTR100, Descriptive Astronomy, $7,374.00.</strong></td>
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<td><strong>Instructionally Related Activities (IRA) Funding for SSU Physics Seminar Series – $7,265/year</strong></td>
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c. **Severson, S.** Instructionally Related Activities (IRA) Funding for SSU Observatory Viewing Nights – $3,914/year

### 7. SST Dean’s Office

a. **D’Errico, M.** MESA statewide grant, finished year 3. Reapplying Aug 2020 for $30,000 for next 3 years, dependent on the Governor’s budget.

### 8. SSU EdEon

a. **Cominsky, LR.** Project Title: NASA’s Universe of Learning. Sponsor: NASA Office of Education through Space Telescope Science Institute. POC: Denise Smith PI, dsmith@stsci.edu (Cominsky is Co-I). Period and Amount: 1/1/2016 – 12/31/2020; $1,564,824. FTE Work-Years: 1.2 months during the academic year and 0.9 months during the summer
c. **Cominsky, LR.** Project Title: Fermi Gamma-ray Space Telescope and Neil Gehrels Swift Observatory Communications and Outreach. Sponsor: NASA GSFC. POC: Julie McEnery, Julie.e.mcenery@nasa.gov. Period and Amount: 6/1/2018 – 5/31/2021; $260,000. FTE Work-Years: 0.6 months during the academic year, and 0.25 months during the summer
d. **Cominsky, LR.** Project Title: Developing a Student-Driven STEM and Computer Science Curriculum for Rural Schools. Sponsor: US Department of Education/EIR. POC: Kelly Terpak, eir@ed.gov. Period and Amount: 10/1/2018 – 9/30/2023; $3,927,476. FTE Work-Years: 6 months during the academic year, and 1.25 months during the summer.

### E. PROFESSIONAL DEVELOPMENT ACTIVITIES

#### 1. Biology

a. **Galten, R.** SSU Web Team Meetings, and Drupal Drop-in Clinics.
b. **Gilmore, K.** Participating in a grant writing workshop by Susan Warner, the treasurer of Conservation Works.
c. **Kettmann E.** Attending the California Higher Education Collaborative Conference, obtaining my Yellow Belt Certification in Lean Six Sigma.
e. **Rank, NE.** Continue to run the Biodiversity Outreach Program with IRA support. This year, we added a social media outreach component working with Prof. Brent Hughes.
f. **Rank, NE.** Interacted with new community partners, for example Marin County Parks and Recreation, North Coast Resource Conservation & Development Council.
g. **St. John, W.** Participant in the Ally Pilot program (mentioned above), working with various ways to make online materials more accessible

#### 2. Chemistry

a. **Perri, M.** POGIL-PCL Workshop (Process Oriented Guided Inquiry Learning for the Physical Chemistry Laboratory), online workshop, May 2020
b. **Perri, M.** POGIL-PCL Workshop (Process Oriented Guided Inquiry Learning for the Physical Chemistry Laboratory), Richmond, VA, July 2019
c. **Works, C.** Participated in National Chemistry Day
d. **Works, C.** Attended the CSU Chemistry Chairs Meeting
### 3. Computer Science

- **Leal, A.** Faculty Center: Yuja Video Capture Workshop; Affordable Materials and Adoption; Writing Partnerships; Grant Writing 101
- **Leal, A.** CWISE-Salon: Oct 2
- **Leal, A.** Feminist Faculty Reception: Sept 17
- **Leal, A.** Computer-Human Interaction: Remote Workshop: CHIMe: CHI Mentoring Program
- **Leal, A.** Ladies that UX San Francisco: Designing for Designers

### 4. Engineering Science

- **Kassis, S.** Participant at the Networking Event at Piner High School, November 2019.
- **Kassis, S.** Outreach to Petaluma High School, December 2019.
- **Shrestha, S.** Online workshops on ABET accreditation

### 5. Geology

- **Anfinson, OA.** Conference Convener and North American Scientific Program Contact- AGU Chapman Conference 2019; Large-Scale Volcanism in the Arctic: The Role of the Mantle and Tectonics  
  https://connect.agu.org/aguchapmanconference/upcoming-chapmans/arctic-volcanism  
  (Conference Recap Video: https://www.youtube.com/watch?v=pbe92g5jzPw&feature=youtu.be)
- **James, MJ.** I conducted a guided tour of the Mojave Desert and Death Valley National Park from December 26 to 29, 2019, which will expand my range of field trip offerings for SSU students in the future.
- **James, MJ.** In February 2020, I traveled to Grand Canyon National Park and to the Phoenix, Arizona area for six days, expanding my possible field trip offerings for SSU students in the future.
- **Mookerjee, M.** Participated in the Faculty Learning Program run by Carmen Works.
- **Myers, N.** Ally Canvas Workshop
- **Myers, N.** YuJa Canvas Workshop

### 6. Mathematics & Statistics

- **Byrne, M.** Just before the start of the fall semester, I participated in week-long workshop through the Center for Inquiry and Equity in Mathematics in Pittsburgh, PA, where math educators worked on mathematical inquiry projects and did deep investigation into the role of equity in the world of mathematics and the math education classroom.
- **Falbo, K.** SSU Ally Pilot - Spring 2020
- **Falbo, K.** Transitioning Mathematics Courses to Virtual Teaching - Dana Center Webinar, April 2020
- **Falbo, K.** Statistics with Corequisite Support Online - Supporting Students and Their Learning - CAP Webinar, April 2020
- **Falbo, K.** Student Ready Instruction: Embracing a Holistic Approach to Instructional Transformation - CAP Webinar, May 2020
- **Keig, C.** PUERTA professional development, August 2019.
- **Lahme, B.** Advisory Board Member, Make Math Real (NSF funded program, PI: Ben Ford)
- **Shott, M.** "Stats for Data Science," a Mathematical Association of America MiniCourse. Led by


l. Tucker, S. Working towards my BA in psychology.

7. Nursing

a. Altaker, K. National Equity Project - Day-long retreat in December 2019; and 1/2 day in April as part of the President's advisory council.

b. Altaker, K. Moving Beyond Bias - Day-long training in February 2020 as part of CSU/UC project.

c. Altaker, K. Attended CSU Shiley Institute for Palliative Care Annual Symposium, San Diego.

d. Altaker, K. Yuja Workshop at Faculty Center

e. Rose, J. Assisted in the faculty center as a Peer Mentor for the online course conversion/triage.

f. Rose, J. Assisted with the Family Nurse Practitioner Program accreditation report and site visit.

g. Valdez, AM. Emergency Nurses Association National Conference

h. Valdez, AM. Numerous nursing continuing education courses (approx. 100 hours)

i. Werder, K. Online & Blended Teaching Excellence Program (Fall 2019)

j. Wilkosz, ME. I participated in various Canvas workshops throughout the year including Yuja, accessibility with ALLY, setting up homepage, etc

8. Physics & Astronomy

a. Miller, A. Geometry from the Quantum Conference, KITP, UCSB

b. Miller, A. American Association for Physics Teachers (AAPT) New Faculty Workshop, College Park, MD

c. Miller, A. How Students Learn: Lessons from Cognitive Psychology Part II, SSU Workshop

d. Miller, A. Faculty Student Equity Workshop Pt. 2, SSU Workshop

e. Miller, A. Major Institutional Grants, STEM-NET Workshop

f. Severson, S. 2019 CSU Department Chairs Workshop,CSU-LB 2019-10-03

g. Severson, S. Lab Innovations with Technology (LIT) Program: Development of VR activities, conducting assessment of efficacy and creation of MERLOT Website.

h. Severson, S. Canvas workshop series, SSU, 2019-07-30, 2019-08-01

i. Severson, S. Curriculog workshop, SSU, 2019-11-13

9. SST Dean’s Office

a. D’Errico, M. SDSU Action Collaborative For Enhancing STEM Success – Cancelled/postponed April 5-7, 2020

F. TEACHING, SCHOLARSHIP, AND/OR SERVICE COLLABORATIONS

1. Biology

a. Bentley, LP. Sonoma Mountain Connection

b. Bentley, LP. Pepperwood TBC3 Group

c. Bentley, LP. CS470 class project mentorship
**2. Computer Science**

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<tbody>
<tr>
<td>a.</td>
<td><strong>Leal, A</strong>. Service learning for SCI 220. For Center for Community Engagement, who connected class to Petaluma Bounty, Community Action Partnership of Sonoma county, City of Santa Rosa.</td>
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**3. Engineering Science**

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<tbody>
<tr>
<td>a.</td>
<td><strong>Kassis, S</strong>. Worked with a multidisciplinary team (Robin Glas from Geology and students from CS, Earth Science, Spanish) in creating educational, VR content on the water cycle at the Fairfield Osborn Preserve, called Journey of a Raindrop. Funded by the CEI.</td>
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<td>b.</td>
<td><strong>Kassis, S</strong>. Currently conducting research with Scott Severson on the Efficacy of Using VR in Learning About the Phases of the Moon with introductory level astronomy students, Spring 2018 - Present. This is in collaboration with SDSU.</td>
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<td>c.</td>
<td><strong>Kassis, S</strong>. Co-organized a mentor Lunch and Learn with Megan D’Errico for students and professionals from Keysight Technologies.</td>
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<td>d.</td>
<td><strong>Kassis, S</strong>. Student team presented at 2020 SST Science Symposium</td>
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<td>e.</td>
<td><strong>Kassis, S</strong>. Advisor to Society of Women Engineers student club</td>
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<td>f.</td>
<td><strong>Shrestha, S</strong>. Engineering Summer Camp, Summer 2019</td>
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<td><strong>Shrestha, S.</strong> Collaboration with a nursing faculty on an NSF and a CSUPERB proposal</td>
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<td><strong>4. Geology</strong></td>
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<tr>
<td>a. <strong>Anfinson, OA.</strong> Lecturer- University of Svalbard, Arctic Tectonics and Magmatism(AG531)</td>
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<td>b. <strong>Anfinson, OA.</strong> Lead drone pilot for the &quot;Wilson cycle film documentary,&quot; Caledonian Mountains, Norway, Funded by the Center for Earth Evolution and Dynamics.</td>
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<tr>
<td>c. <strong>James, MJ.</strong> In late August 2019, I lead a group of fourteen paleontologists and geologists from Syracuse University on a 7-day trip to the UNESCO World Heritage Site of the Burgess Shale in British Columbia, Canada</td>
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<tr>
<td>d. <strong>Mookerjee, M.</strong> My current NSF funding is a collaborative project with 7 other institutions. This grant funds my collaboration with Dr. Gurman Gill in the Computer Science Dept., as well as a collaboration with Joshua Davis at Carleton College (which is not one of the 7 institutions because he is funded as a consultant not a PI). This project has also funded several SSU undergraduate student researchers.</td>
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<td>e. <strong>Myers, N.</strong> I am working with the Center for Environmental Inquiry to provide virtual geology field education</td>
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<tr>
<td><strong>5. Mathematics &amp; Statistics</strong></td>
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<tr>
<td>a. <strong>Byrne, M.</strong> Dr. Ben Ford and I are half of the leadership team (working with local k-12 teachers) of the Wine Country Math Teachers' Circle, which I founded in 2017.</td>
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<tr>
<td>b. <strong>Byrne, M.</strong> Theresa Jackson and I worked to develop a workbook for Math 150A and 150B to make those classes more accessible to teach for a variety of individuals.</td>
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<tr>
<td>c. <strong>Ford, B.</strong> With Sonoma County Office of Education and Prof. Martha Byrne, led the California Mathematics Project: North Coast. Provides monthly Math Teachers’ Circle, leadership in Lesson Study in the North Coast region, and other professional development opportunities for teachers</td>
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<tr>
<td>d. <strong>Hobson, N.</strong> Exploring preservice teachers' use of number line with faculty at Sacramento State.</td>
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<td>e. <strong>Hobson, N.</strong> Girls Tinker Academy.</td>
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<tr>
<td>f. <strong>Keig, C.</strong> Collaborated with Laurice Mogannam as 131AB (Intro to Finite Math) Stretch Coordinator, collaborated with Nick Dowdall to develop 165AB (Intro to Statistics) teaching.</td>
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<td>g. <strong>Lahme, B.</strong> External Reviewer for CSU Monterey Bay Math Program</td>
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<td>h. <strong>Lahme, B.</strong> Reviewer for AWM special publication: Association for Women in Mathematics: The First Fifty Years, to appear 2021</td>
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<td>i. <strong>Lahme, B.</strong> Expanding Your Horizons 2020 Facilities Coordinator</td>
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<tr>
<td>k. <strong>Shott, M.</strong> Impact of Wildfire Displacement on Traffic Congestion in Sonoma County. Research project with undergraduate student Christopher Gibson.</td>
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<td>m. <strong>Tucker, S.</strong> Math &amp; Stats Virtual Graduation Celebration</td>
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<td>n. <strong>Tucker, S.</strong> MESA Virtual Graduation</td>
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<td>o. <strong>Tucker, S.</strong> Tinker Academy</td>
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<td><strong>6. Nursing</strong></td>
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<tr>
<td>a. <strong>Altaker, K.</strong> Collaborated with Dr Kelly in Nursing and FC staff to optimize accessibility for online courses in Nursing Program as part of Course Redesign Grant.</td>
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<tr>
<td>b. <strong>Altaker, K.</strong> Supported Faculty Center Online Teaching programs (OBTEP), collaborated with FC director and staff for Reports on Affordability, Accessibility of Textbooks and Course Materials.</td>
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</table>
c. **Altaker, K.** Provided peer support for faculty in collaboration with Faculty Center on campus and remotely during "pivot" to remote instruction from March - May.

d. **Altaker, K.** Fall 2019 Collaborated with Community Partners: Petaluma Health Center, Sonoma County Family YMCA; and City of Santa Rosa Community Engagement Offices - providing Research and Evidence-Reports as part of service learning research class.

e. **Altaker, K.** Ongoing contributions to Sutter Santa Rosa Regional Hospital Nursing Research Council.

f. **Altaker, K.** Collaborated with faculty, staff, students for hiring processes of department chair.

g. **Altaker, K.** Collaborated with Writing Center to develop pilot program to offer services for online writing support to students.

h. **Altaker, K.** Beginning Conversations with CSU Shiley Institute of Palliative Care to establish SSU as a Campus Partner in palliative care activities and curricula.

i. **Coleman-Smith, J.** We collaborated with Meals on Wheels, Sonoma County, Isosource, and St. Joseph's Health in an effort for our 16 clinical nursing students to complete direct clinical hours via telehealth wellness, nutritional, and Covid-19 symptom assessments.

j. **Ritter, B.** California association for nurse practitioners board member

k. **Rose, J.** Chaired doctoral projects for two Fresno State University doctoral candidates: Patient-Centered EMR Communication Simulation-Based Learning: A Pilot Study; California Nurse Practitioner Students Clinical Placement Challenge Impact on Board Certification Outcomes

l. **Valdez, AM.** I was a conference planner for the Nursing Mutual Aid 2020 virtual conference on April 30th. We had one faculty and three students present at the conference.

m. **Werder, K.** Member of the search committee for Nursing Department Chair (2019-20)

n. **Werder, K.** Education consultant for Santa Rosa Community Health Clinics Nurse Practitioner Residency ANE Grant - Medication-Assisted Treatment implementation

o. **Werder, K.** Member of ADOPT (Advancing Drug and Opioid Prevention Treatment) research team in partnership with UCSF and USF

p. **Wilkosz, ME.** Hearing and vision screening with Children’s School on Campus

q. **Wilkosz, ME.** Northern Sonoma Health Foundation Scholarship for FNP Program $15,000

r. **Wilkosz, ME.** Health Screening at Jewish Community Free Clinic, Modesto Gospel Mission, Esplanade House.

7. **Physics & Astronomy**

   a. **Miller, A.** Teagle Grant Faculty Learning Community

   b. **Severson, S.** Organize and conduct SSU Observatory’s Viewing Nights (~ 4 public and ~ 3 course events per semester), serving students and the public.

   c. **Severson, S.** Hosting a Girl Scouts of Northern California Space Science Badge Event. An evening of STEM activities on Campus and at the Campus Observatory. 2019-11-16.

8. **SST Dean’s Office**

   a. **D’Errico, M.** Launched new MESA website, put paper application into a webform for online applications, better data tracking and management, Summer 2019

   b. **D’Errico, M.** Student Success Analytics Certificate Program, The California State University Office of the Chancellor, Spring 2019

   c. **D’Errico, M.** HUB Safe Zone training level 1, Sept, 2019

   d. **D’Errico, M.** Accompanied 5 MESA students to MESA conference (and evacuated), Oct, 2019

   e. **D’Errico, M.** Women in Tech Collaboration Mentor lunch and learn with Michelle and EE alumni in the Kitchens, Nov, 2019

   f. **D’Errico, M.** MESA Mentor lunch and learn - Physician Assistants guests, Jan, 2020
g. D’Errico, M. Keysight speed mentoring event with Women in Tech, Jan, 2020
h. D’Errico, M. Undocu-Ally Training from Dream Center, Jan, 2020
i. D’Errico, M. Latino Family Summit Cancelled/Postponed March 28, 2020
j. D’Errico, M. Presidential Climate Action committee - Academics and Student life working group, Spring 2020 semester
k. D’Errico, M. CS authorization for School of Education add on credential, Spring 2020 semester

9. SSU EdEon

a. Cominsky, LR. I helped Matthew Paolucci write a proposal to NSF (see pending section).
b. Cominsky, LR. I helped Mark Perri write a proposal to STEM-Net.
c. Cominsky, LR. Mentored Alex Vasquez for Cal Bridge program.

G. MAJOR SERVICE CONTRIBUTIONS (e.g., committee memberships, organization of special events, new program design new course design)

1. Biology

a. Bentley, LP. Sonoma Mountain Connection design
b. Bentley, LP. Structure and Function Committee
c. Bentley, LP. SST Elections Chair
d. Hua, LL. Received the FSAC Educational Experience Enhancement award to redesign, and revamp a Human Physiology course for non-majors (BIOL224).
e. Hua, LL. Scientific community: Ad hoc reviewer for NSF, and CSUPERB
f. Hua, LL. Local community: Art docent, Petaluma City Schools
g. Kettmann, L. Staff Representative to the President’s Budget Advisory Committee, Staff Representative to the SST Strategic Plan Implementation Team
h. Lee, S. Continued as a consulting member on the Biology Community Outreach/Education committee, including continuing my role as an admin for the department Facebook page.
i. Lee, S. Worked on the GE revision team within the Department of Biology. Helping to convert Biology 110- including envisioning and designing the Signature Assignment.
j. Lee, S. Revived Biology 312- an upper division GE that hadn't been taught in a number of years- started the process for required GE revision and developed/tested a Signature Assignment.
k. Lin, J. Chair of the Health Professions Advisory Committee (HPAC)
l. Lin, J. Institutional Animal Care and Use Committee (IACUC)
m. Lin, J. Department Budget, Space, and Equipment Committee
n. Lin, J. Department Curriculum Committee
o. Rank, NE. I served as a replacement member on URTP in Spring 2019 and Fall 2019.
p. St. John, W. SST Strategic Priorities Taskforce
q. St. John, W. Sonoma Mountain Connection planning team

2. Chemistry

a. Perri, M. Faculty Sustainability Chair
b. Works, C. Member URTP, committee on research and scholarship, school curriculum committee

3. Computer Science

a. Leal, A. I just got elected in May to ATISS ! I haven't participated yet, but I won the election a few weeks ago.
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<th>4. Engineering Science</th>
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<tr>
<td>b. Kassis, S. Co-organized Lunch and Learn Mentor event, February 2020</td>
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<td>c. Kassis, S. Organized various Women In Tech events (WIT Tea, Create-An-App Workshops, mentor opportunities, attending conferences)</td>
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<td>d. Kassis, S. Active member/presenter in the CSU’s Immersive Learning AR/VR Community Interest Group.</td>
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<td>e. Shrestha, S. University Scholarship Program Committee</td>
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<td>f. Shrestha, S. School of Science and Technology Curriculum Committee</td>
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<td>g. Shrestha, S. Coordinated Engineering Tech Talk</td>
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<td>h. Shrestha, S. Redesigned EE 110 Intro to Engineering Lab. The redesigned lab focuses on fundamental EE concepts, basic EE measurements, and microcontroller programming. The new lab has semester long project components instead of the last few weeks of project work. The redesign also aims to foster collaboration and teamwork, critical thinking, and appreciation of engineering design.</td>
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<th>5. Geology</th>
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<tr>
<td>a. Anfinson, OA. Chair-SSU Unmanned Aviation Systems Board (2017-present)</td>
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<td>b. Anfinson, OA. Chair- SSU Dispute Resolutions Board (2019-present)</td>
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<tr>
<td>c. Anfinson, OA. Member- SSU Radiation Safety Committee (2015-Present)</td>
</tr>
<tr>
<td>d. Anfinson, OA. Member- SSU Geology Department Tenure Track Search Committee (2020)</td>
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<td>e. James, MJ. In January 2020, I participated as a FERP faculty member in the tenure-track recruitment process for a new faculty member in the Geology Department by driving the candidates on tours of the geology of Sonoma County on four occasions, each tour lasting 8 to 10 hours.</td>
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<td>f. Mookerjee, M. Educational Policies Committee (EPC)Member</td>
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<td>g. Mookerjee, M. Geology Department Chair</td>
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<td>h. Mookerjee, M. Geology Department RTP Committee Chair</td>
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<tr>
<td>i. Mookerjee, M. Geology Search Committee Chair</td>
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<tr>
<td>j. Mookerjee, M. RTP Committee Member for CS Department and ES Department</td>
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<tr>
<td>k. Mookerjee, M. Current Chair of the Cyberinfrastructure and Data Sciences Division of the Geological Society of America</td>
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<tr>
<td>l. Myers, N. I teach 1n Osher Lifelong Learning Institute course each semester at SSU in addition to myGeology Department class load</td>
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<th>6. Kinesiology</th>
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<tr>
<td>a. Voight, G. Continue to serve as President &amp; Chief Steward for CSUEU. Continue to work with HR and EOC to collaborate our way through this COVID 19 and staff work, contract issues, etc.</td>
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<tr>
<td>b. Winter, S. National Collegiate Athletic Association Division II Management Council Member representing the California Collegiate Athletic Association</td>
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<tr>
<th>7. Mathematics &amp; Statistics</th>
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</table>
| a. Byrne, M. I was an active member of ATISS, although it was my third year on the committee,
and my term is up.

b. **Byrne, M.** I was on the Temporary Faculty Evaluation Committee in the Math and Stats Department.

c. **Byrne, M.** I was also the coordinator for the Stretch Geometry program in the Math and Stats Department.

d. **Falbo, K.** MathFest/Graduation ceremony. Dept. photo slideshow and video tech.

e. **Ford, B.** Continue to lead the Math 131A/B Finite Math for Business stretch course (re)development.

f. **Keig, C.** Participated in Sonia Kovalesky Festival March 2020 fostering math for high school girls.

g. **Lahme, B.** Math and Stats Department RTP Committee

h. **Lahme, B.** Math 161A/B Stretch Coordinator

i. **Shott, M.** SST Representative on the Student Affairs Committee.

j. **Shott, M.** Hiring committee for the Head Coach of Women's Track and Field.

k. **Shott, M.** Hiring committee for the long-term temporary Administrative and Budget Analyst position in the Office of the Vice President for Student Affairs.

l. **Shott, M.** Hiring committee for the Dean of SST.

m. **Shott, M.** SSU Summer Bridge planning committee.

n. **Shott, M.** Planning Committee for the 2nd annual Sonia Kovalevsky Day.

o. **Shott, M.** Planning Committee for Sonoma County’s Expanding Your Horizons STEM outreach event.

p. **Shott, M.** Triage judge for papers submitted to the Interdisciplinary Contest in Modeling, sponsored by the Consortium of Mathematics and its Applications.

q. **Tucker, S.** Math & Stats Virtual Graduation Celebration

r. **Tucker, S.** MESA Virtual Graduation

s. **Tucker, S.** MESA Virtual Tutoring

t. **Tucker, S.** Math & Stats Website Task force

u. **Tucker, S.** Tinker Academy

8. **Nursing**

a. **Altaker, K.** Chair of Senate Diversity Subcommittee

b. **Altaker, K.** Member of Presidents Advisory Council on Diversity, Equity, Campus Climate and Inclusivity.

c. **Altaker, K.** Search Committee for Nursing Department Chair

d. **Altaker, K.** Contributed to Nursing Department Self Study for Accreditation

e. **Altaker, K.** Course Redesign for Accessibility in the Nursing Program (with Dr Kelly)

f. **Rockett, K.** Sonoma County Food Bank

g. **Rose, J.** SST Curriculum Committee Chair

h. **Rose, J.** Sigma Theta Tau, Lambda Gamma Chapter, Induction planning and photography

i. **Rose, J.** Instructionally-related Activities Committee: creation of objective program evaluation criteria document

j. **Valdez, AM.** Editorial Board - Journal of Emergency Nursing

k. **Valdez, AM.** Editor in Chief of Teaching and Learning in Nursing starting October 2019

l. **Werder, K.** Proxy member of APARC - Spring 2020

m. **Werder, K.** Implemented remote telepsych/mental health experience for pre-licensure students at Aurora Santa Rosa Hospital in response to Covid-19 shelter-in-place mandate

n. **Wilkosz, ME.** IRB

o. **Wilkosz, ME.** Academic Senate SST rep

p. **Wilkosz, ME.** GSS

q. **Wilkosz, ME.** SST Chairs
### 9. Physics & Astronomy

- **Miller, A.** Development of new Degree in Physical Science (currently between SST Curriculum Committee and EPC)
- **Miller, A.** Cal-Bridge Steering Committee Member (The Cal-Bridge program’s primary purpose is to help CSU Physics and Astronomy students, especially those from underrepresented groups, get into PhD programs at UCs or other institutions)
- **Miller, A.** Society of Physics Students Club Advisor
- **Miller, A.** Pet the Earth Club Advisor
- **Severson, S.** Chair, Department of Physics & Astronomy
- **Severson, S.** Member of the School of Science and Technology Chairs Council
- **Severson, S.** Member of the School of Science and Technology Dean Search Committee
- **Severson, S.** Member of the School of Science and Technology Strategic Planning Implementation Team
- **Severson, S.** Member of the School of Science and Technology Curriculum Committee
- **Severson, S.** Member of the School of Science and Technology Professional Development Committee
- **Severson, S.** Led effort for Upper Division GE Area B approval for 6 Department of Physics & Astronomy courses.
- **Severson, S.** Assisted Physical Science degree program effort.

### 10. SST Dean’s Office

- **D’Errico, M.** Academic Advising Subcommitteee (AAS) of Student Affairs Committee 2018 through Spring 2020
- **D’Errico, M.** Tech Trek Summer Girls in STEM program Panelist – Summer 2019
- **D’Errico, M.** SCMIA MESA industry meeting, Darci Deans and industry members with the SST Dean – August 2019
- **D’Errico, M.** California Forum for Diversity in Graduate Education Local Planning Core Committee (August – Oct 2019)
- **D’Errico, M.** SST Dean search committee – Spring 2020
- **D’Errico, M.** University Registrar Search Committee – Spring 2020

### 11. SSU EdEon

- **Cominsky, LR.** Community Advisory Board for Roseland Charter Schools
- **Cominsky, LR.** Hosted Girl Scouts of Northern CA at SSU Observatory and to earn a badge in November 2019

### H. ADDITIONAL IMPORTANT ACCOMPLISHMENTS

#### 1. Biology

- **Bentley, LP.** My students won 2 SST Poster Awards at the Research Symposium.
- **Bentley, LP.** CA Strategic Growth Council, "Advancing Climate Adaptation Strategies and Tools in Co-Creation with Vulnerable Cultural Communities", $990K (PI) in review
- **Bentley, LP.** Four manuscripts in review
d. **Gilmore, K.** When I shared about my Insect Safari workshop/video online, several friends from elementary through college level said they wanted to use my video as a resource in their teaching.

e. **Kettmann, L.** Collaborating with campus partners to design, troubleshoot, and fully operationalize digital field trip paperwork.

f. **Kettmann, L.** Receiving a team Focus on Efficiency Award from the California Higher Education Conference for our Adobesign project,

g. **Lee, S.** In May 2020 I became listed as a TopHat Top Scholar.

h. **St. John, W.** Nominated for an Excellence in Teaching award.

i. **Torok, T.** Affiliate scientist (Lawrence Berkeley National Laboratory, Berkeley CA)

j. **Torok, T.** Affiliate researcher (NASA Jet Propulsion Laboratory, Pasadena, CA)

k. **Torok, T.** Microbiology subject expert (Institutional Biosafety Committee, Los Alamos National Laboratory)

l. **Torok, T.** Microbiology subject expert consultant (Kiverdi Inc., Pleasant Hill, CA)

m. **Torok, T.** Editorial board member (Journal for Industrial Biotechnology)

n. **Torok, T.** Peer reviewer for leading microbiology and cell- and molecular biology journals

### 2. Chemistry

a. **Farmer, S.** I was named the SSU professional faculty sponsor for the student receiving the Outstanding EOP Senior Award, Jennifer Juarez Yoc.

b. **Works, C.** I became a VIPER fellow this year which is a National Grant supported faculty development program for Chemistry Professors.

### 3. Computer Science

a. **Ravikumar, B.** Supervised five students in the capstone project (CS 495)

b. **Taneja, S.** My research project was selected as top 10 projects from SSU to participate in CSU wide research competition at CSU East Bay, April 2020

c. **Taneja, S.** The same research project was nominated for ONGARO FAMILY GREEN SCIENCE COMPETITION 2020.

### 4. Engineering Science

a. **Kassis, S.** Involved in formally making our Society of Women Engineers (SWE) student club a Collegiate Affiliate Section of the national SWE organization, April 2020.

b. **Shrestha, S.** As everyone else did, I had to shift my focus to helping students succeed in a new teaching learning environment as we moved our classes to remote mode this spring. I put my efforts on creating easy to follow course materials, including lecture notes and instructional videos. I paid special attention to canvas layout and modules and created detailed lab instructions. As a result students did well in my classes and students were happy with what they were able to accomplish.

### 5. Geology

a. **Anfinson, OA.** Guest Editor- (In Review) Large-Scale Volcanism in the Arctic; Journal: Tectonics


c. **Anfinson, OA.** Referee- Terra Nova (2020)

d. **Anfinson, OA.** Referee- Basin Research (2020)

e. **Anfinson, OA.** Referee- Arktos (2020)

f. **Anfinson, OA.** Referee- NSF Tectonics (2019)
g. **Anfinson, OA.** Referee- ACS Petroleum Research Fund (2019)

h. **James, MJ.** In terms of personal development, I travelled to Kyoto, Japan in March 2020 for a month-long course to study traditional Japanese carpentry and woodworking.

i. **Myers, N.** In addition to my geology focus at SSU, I also teach 2 local fitness (Yoga, Pilates & Barre) studios, where I am a fitness class instructor and the studio fitness anatomy expert. I have 3 fitness certifications and I offer workshops focused on safe movement and exercise science, some of which provide CEUs for other instructors.

6. **Kinesiology**

   a. **Voight, G.** During this COVID time, I am mastering working from home, meetings on Zoom and I am in constant communication with the Chair and faculty. We got through FTF and Transfer applications and acceptances and registration for Fall 2020.

7. **Mathematics & Statistics**

   a. **Byrne, M.** Honestly, the fact that any of us were able to adapt to remote instruction mid-semester is a huge accomplishment. I am particularly proud of continuing to serve my students while also working with my own children on their school requirements.

   b. **Falbo, K.** Contributed to department readiness by sharing what I've learned in SSU's Online and Blended Teaching Excellence Program to other faculty in preparation of the move to remote modality.

   c. **Keig, C.** I built a "hyperbolic" quilt for the purposes of modeling hyperbolic geometry.

8. **Nursing**

   a. **Altaker, K.** Worked with Faculty in Nursing and through Faculty Center to respond to major emergency and disaster situations in both Fall 2019 and Spring 2020 -- evaluating curriculum, strategizing learning activities to meet core course and program objectives and developing flexible alternatives; advocating for students and faculty who were significantly impacted by events.

   b. **Coleman-Smith, J.** The collaborative efforts of our nursing faculty and the community agency program directors were successful endeavors. It took a lot of innovation and coordination, but it allowed the students to meet objectives. The students were also very flexible, compassionate within the community, and tenacious.

   c. **Rockett, K.** Helped to organize a neighborhood Network for the aging community.

   d. **Werder, K.** I have written and plan on submitting a scholarly article to the American Association of Nurse Practitioners Journal within the next month. They have expressed interest.

9. **Physics & Astronomy**

   a. **Severson, S.** Lead the Department of Physics & Astronomy response to COVID-19, including the successful transition to online instruction.

   b. **Severson, S.** Donor relations leading to the Ongaro Scholarship $5000, and the Ongaro Sustainability Award and Student Development Funding $6000

10. **SST Dean's Office**

    a. **D’Errico, M.** Hosted the virtual end of year ceremony to recognize MESA honors (11 students) and graduating Seniors (29 students), the most the MESA program has ever graduated before. Each Senior received their MESA stole in the mail, with a team effort in the Dean's office and Sarah Tucker.
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<tr>
<th>11. SSU EdEon</th>
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<tbody>
<tr>
<td>a. <strong>Cominsky, LR.</strong> AAS Legacy Fellow announced Feb. 2019</td>
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<td>b. <strong>Cominsky, LR.</strong> CSU STEM-Net Fellow announced May 2020</td>
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<td>c. <strong>Cominsky, LR.</strong> Commissioned to write an article for Sky &amp; Telescope magazine - &quot;Extreme Universe of Gamma-ray Astronomy&quot; - should appear in print in October 2020.</td>
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