NCAS - Center for Atmospheric Sciences, Meteorology, Societal Impact, and Environment (CAMSIE)

CAMSIE Handbook (2016)
Note: The CAMSIE Handbook 2016 serves as a guide to the operational procedures and processes of the Center for Atmospheric Sciences, Meteorology, Societal Impact, and Environment (CAMSIE).

The manual is a living document. CAMSIE may change, delete, suspend, or discontinue parts of this handbook in its entirety at any time without prior notice.

Every reasonable effort has been made to ensure the accuracy, reliability, and completeness of the procedures and processes found in this handbook. If any discrepancies exist between the information in this handbook and institution policies, the information at the institution shall take precedence.
Table of Contents

I. Center for Atmospheric Sciences, Meteorology, Societal Impact, and Environment (CAMSIE) ....... 6
   Overview ........................................................................................................................................ 6
   NOAA ......................................................................................................................................... 6
   CAMSIE ..................................................................................................................................... 7

II. Administration and Personnel ....................................................................................................... 21
    Overview ..................................................................................................................................... 21
    On Receiving CAMSIE Fellowship ............................................................................................ 21
    During CAMSIE Fellowship ......................................................................................................... 21
    On Completing CAMSIE Fellowship .......................................................................................... 22

III. CAMSIE Website and Social Media Profiles ........................................................................... 22

IV. Appendices ................................................................................................................................... 24
    A. Individual Student Development Plan .................................................................................... 25
    B. Acknowledgment Guidelines .................................................................................................. 38
    C. Individual Postdoctoral Development Plan .......................................................................... 40
    D. Letter of Understanding .......................................................................................................... 48
    E. CAMSIE Fellow Contact Form ............................................................................................... 54
    F. CAMSIE Fellow Travel Request Form .................................................................................. 55
    G. CAMSIE Fellow Travel Report Form ..................................................................................... 56
    H. CAMSIE Fellow Purchase Request Form ............................................................................... 59
List of Tables

Table 1: CAMSIE Staff Contact Information and Offices................................................................. 10
Table 2: CAMSIE Partnering Institutions - Key Personnel............................................................... 11
Table 3: CAMSIE Education and Training Requirements for ASM Student and Postdoctoral Fellows..... 15

List of Figures

Figure 1: CAMSIE Organizational Chart............................................................................................... 9
Introduction

This handbook was developed by the Center for Atmospheric Sciences, Meteorology, Societal Impact, and Environment (CAMSIE) to guide fellows, faculty advisors, and NOAA mentors about the policies and procedures at CAMSIE. The document provides: a) information about CAMSIE (e.g., overview, mission, and structure), b) information for CAMSIE Fellows (e.g., requirements), and c) information regarding administrative and personnel policies and procedures.

I. Center for Atmospheric Sciences, Meteorology, Societal Impact, and Environment (CAMSIE)

Overview

The Center for Atmospheric Sciences, Meteorology, Societal Impact, and Environment (CAMSIE) is a cooperative science center (CSC) funded by the National Oceanic and Atmospheric Administration, Educational Partnership Program with Minority Serving Institutions (NOAA/EPP/MSI) Cooperative Agreement. The first part of this overview gives some background on NOAA, which is followed by an overview of CAMSIE.

NOAA

The National Oceanic and Atmospheric Administration (NOAA), a bureau in the Department of Commerce, has roots in the Nation’s first scientific agency, the Survey of the Coasts (1807). The current organization was formed in 1970.

NOAA’s Goals:

- Climate Adaptation and Mitigation
- Weather-Ready Nation
- Healthy Oceans
- Resilient Coastal Communities and Economies

The NOAA Office of Education (OEd) is a staff office within the Office of the Under Secretary of Commerce for Oceans and Atmosphere (the NOAA Administrator) and provides advice and counsel to the Under Secretary on matters pertaining to education. OEd, in conjunction with the NOAA Education Council, coordinates education activities across NOAA and develops NOAA’s Education Strategic Plan and Policy. These efforts help ensure that NOAA’s education program and activities are based on NOAA science and support the agency’s cross-cutting priority of promoting environmental literacy.
efforts that directly benefit the NOAA mission. OEd directly implements and manages scholarship program as well as offers competitive grant program at the national and regional level.

The Educational Partnership Program (EPP) is administered from the NOAA OEd. The NOAA OEd, Educational Partnership Program (EPP) with Minority Serving Institutions (MSI) administers financial assistance through competitive processes to MSIs. The goal of the EPP/MSI is to increase the number of students from underrepresented communities who are educated, trained, and graduated in fields that directly support NOAA's mission. NOAA/EPP/MSI is aimed at increasing program and opportunities for individuals to pursue applied research and education in atmospheric, oceanic, and environmental sciences and remote sensing technology, in support of NOAA's mission.

CAMSIE

CAMSIE is a Cooperative Science Center comprised of 13 institutions of higher education (partners and affiliates):

Partners: Howard University (lead), Jackson State University, Pennsylvania State University, State University of New York, Albany; University of Puerto Rico, Mayaguez; University of Texas, El Paso; University of Maryland Baltimore County; and University of Maryland, San Jose State University.

Affiliates: Fort Valley State University, San Diego State University, Tuskegee University, and Universidad Metropolitana.

The CAMSIE partnership is a unique balance of minority-serving and majority-serving institutions located along the eastern seaboard, the southwest, the Gulf coast, and the United States (US) Caribbean.

The cooperative agreement and related activities under CAMSIE are aimed at producing a diverse group of highly-trained professionals for NOAA and the broader atmospheric and environmental sciences workforce.

CAMSIE’s mission is to increase the number of workforce-ready graduates from underrepresented communities in NOAA-related sciences, with particular emphasis on scientific, technological, and societal challenges associated with atmospheric sciences and meteorology.

CAMSIE’s aim is for EPP-funded graduates to enter NOAA mission workforce as hires by NOAA, NOAA contractors, NOAA partners, or resource management agencies, academia, or as entrepreneurs.
CAMSIE’s overall goal is to conduct education and research that directly supports NOAA’s mission to recruit, train, and graduate students particularly from underrepresented communities for the agency mission workforce.

CAMSIE is funded by NOAA/EPP Cooperative Agreement #NA16SEC4810006.

CAMSIE Personnel Roles and Responsibilities

This section describes the roles and responsibilities of key CAMSIE personnel (see Figure 1 and Table 1 for CAMSIE key personnel contact information).

Director

Dr. Vernon Morris serves as the Director of CAMSIE. Dr. Morris is a Professor of Chemistry and Atmospheric Sciences. He served as Principal Investigator and Director of NOAA Center for Atmospheric Sciences - NCAS (now Center for Atmospheric Sciences, Meteorology, Societal Impact, and Environment - CAMSIE) since its inception in 2001 to 2016. The Center Director is the lead advocate and representative of CAMSIE and manages the Center activities so that they respond to NOAA mission needs. The Director leads strategic planning and guidance for executing Center goals. He also leads efforts for planning new or revised program goals and objectives. The Director designs the overall scientific focus and plans for CAMSIE, and provides oversight and management for implementation of all aspects of the Center.

Assistant Director

Ms. Kimberly L. Smith serves as the Assistant Director of CAMSIE and reports directly to the Director. Ms. Smith is responsible for the daily operations of the CAMSIE office including management and budgetary functions. Ms. Smith is also responsible for programmatic functions involving students, student tracking and scheduling, generating monthly activity reports, ensuring the generation of the semi-annual reports, student databases, and ensuring that internal (on-campus) reports are delivered to NOAA in timely fashion.

Distinguished Scientist

Dr. Demetrius Venable currently serves as the Interim Distinguished CAMSIE Scientist. The Distinguished Scientist assists the CAMSIE Director with providing overall research direction to the Center. His responsibilities are to develop significant research projects for CAMSIE, with other CSCs, Minority Serving Institutions, NOAA science and research facilities, and relevant government agencies. The Distinguished Scientist also seeks new opportunities for CAMSIE research and collaboration with NOAA and other agencies and serves as senior internal advisor to the Center.

Education Expert

Dr. Jo-Anne Manswell Butty is a recognized expert in educational psychology and program evaluation. She leads the implementation of the education strategy, and student development plan of CAMSIE. The Education Expert also provides coordination and oversight on the accountability initiative and
works to ensure that CAMSIE is well positioned to collect, analyze, and report on student outcome data.

Data Information and Communications Manager
TBD will manage student tracking and associated information, general communications of the Center’s achievements to the public and stakeholders through the CAMSIE web site, and increase public access to outputs of the federally-funded research.

Administrative Coordinator
TBD performs the administrative and budgetary function at the CAMSIE office. The administrative coordinator also provides overall administrative support to the CAMSIE office environment.

Principal Investigators/Researchers
Each CAMSIE partner institution has a lead investigator who assumes responsibility for managing the education and research training components at their institution, integration of the various components, and serves as the primary point of contact for CAMSIE (see Table 2).

CAMSIE Organizational Chart
Figure 1: CAMSIE Organizational Chart
CAMSIE Staff Contact Information and Offices

Table 1 provides contact information for CAMSIE staff.

Table 1: CAMSIE Staff Contact Information and Offices

<table>
<thead>
<tr>
<th>Title</th>
<th>Name</th>
<th>Office Phone</th>
<th>Email</th>
<th>Room #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Director</td>
<td>Dr. Vernon Morris Chemistry Lab</td>
<td>202-865-8686</td>
<td><a href="mailto:vtmorris@howard.edu">vtmorris@howard.edu</a></td>
<td>302</td>
</tr>
<tr>
<td></td>
<td></td>
<td>202-806-6901</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assistant Director</td>
<td>Ms. Kimberly L. Smith HU Beltsville</td>
<td>202-865-8536</td>
<td><a href="mailto:kl_smith@howard.edu">kl_smith@howard.edu</a></td>
<td>326</td>
</tr>
<tr>
<td></td>
<td></td>
<td>301-419-9030</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distinguished Scientist</td>
<td>Dr. Demetrius Venable</td>
<td>301-419-9035</td>
<td><a href="mailto:dvenable@howard.edu">dvenable@howard.edu</a></td>
<td>325</td>
</tr>
<tr>
<td>Education Expert</td>
<td>Dr. Jo-Anne Manswell Butty</td>
<td>202-865-8536</td>
<td><a href="mailto:jmanswell-buty@howard.edu">jmanswell-buty@howard.edu</a></td>
<td>326</td>
</tr>
<tr>
<td>Administrative Coordinator</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>305</td>
</tr>
<tr>
<td>Outreach Coordinator</td>
<td>Ms. Kadidia Thiero</td>
<td>202-865-8679</td>
<td><a href="mailto:kadidia.thiero@howard.edu">kadidia.thiero@howard.edu</a></td>
<td>305</td>
</tr>
<tr>
<td>Senior Scientist</td>
<td>Dr. Ricardo Sakai</td>
<td>301-419-9030</td>
<td><a href="mailto:ricardo.k.sakai@howard.edu">ricardo.k.sakai@howard.edu</a></td>
<td>HU Beltsville</td>
</tr>
<tr>
<td>Research Associate</td>
<td>Dr. Siwei Li</td>
<td>301-419-9030</td>
<td><a href="mailto:siwei.li@howard.edu">siwei.li@howard.edu</a></td>
<td>HU Beltsville</td>
</tr>
<tr>
<td>Postdoctoral Fellow</td>
<td>Dr. Richard Medina</td>
<td>301-419-9030</td>
<td><a href="mailto:richard.medinacalde@howard.edu">richard.medinacalde@howard.edu</a></td>
<td>HU Beltsville</td>
</tr>
<tr>
<td>CAMSIE Main Office</td>
<td></td>
<td>202-865-8678</td>
<td></td>
<td>305</td>
</tr>
<tr>
<td>CAMSIE Student Office (HU)</td>
<td></td>
<td>202-865-8681</td>
<td></td>
<td>304</td>
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<tr>
<td></td>
<td></td>
<td>202-865-8683</td>
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Table 2: CAMSIE Partnering Institutions - Key Personnel

<table>
<thead>
<tr>
<th>CAMSIE Partner Institutions</th>
<th>Key Personnel</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NAME</strong></td>
<td><strong>PRINCIPAL INVESTIGATOR</strong></td>
</tr>
<tr>
<td>1 Howard University (HU)</td>
<td>Dr. Vernon Morris</td>
</tr>
<tr>
<td>2 Jackson State University (JSU)</td>
<td>Dr. Mehri Fadavi</td>
</tr>
<tr>
<td>3 Pennsylvania State University (PSU)</td>
<td>Dr. Jose Fuentes</td>
</tr>
<tr>
<td>4 San Jose State University (SJSU)</td>
<td>Dr. Sen Chiao</td>
</tr>
<tr>
<td>5 University at Albany, NY (UAlbany)</td>
<td>Dr. Qilong Min</td>
</tr>
<tr>
<td>6 University of Puerto Rico, Mayaguez (UPRM)</td>
<td>Dr. Roy Armstrong</td>
</tr>
<tr>
<td>7 University of Texas, El Paso (UTEP)</td>
<td>Dr. Rosa Fitzgerald</td>
</tr>
<tr>
<td>8 University of Maryland Baltimore County (UMBC)</td>
<td>Dr. Belay Demoz</td>
</tr>
<tr>
<td>9 University of Maryland, College Park (UMD)</td>
<td>Dr. Xin-Zhong Liang</td>
</tr>
</tbody>
</table>

**CAMSIE Affiliates**

<table>
<thead>
<tr>
<th><strong>NAME</strong></th>
<th><strong>PRINCIPAL INVESTIGATOR</strong></th>
<th><strong>EMAIL</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Fort Valley State University (FVSU)</td>
<td>Dr. Hari P. Singh</td>
<td><a href="mailto:singhh@fvsu.edu">singhh@fvsu.edu</a></td>
</tr>
<tr>
<td>11 San Diego State University (SDSU)</td>
<td>Dr. Samuel Shen</td>
<td><a href="mailto:sam.shen@sdsu.edu">sam.shen@sdsu.edu</a></td>
</tr>
<tr>
<td>12 Tuskegee University (TU)</td>
<td>Dr. Souleymane Fall</td>
<td><a href="mailto:sfall@mytu.tuskegee.edu">sfall@mytu.tuskegee.edu</a></td>
</tr>
<tr>
<td>13 Universidad Metropolitana (UM)</td>
<td>Dr. Juan Arratia</td>
<td><a href="mailto:um_jarratia@suagm.edu">um_jarratia@suagm.edu</a></td>
</tr>
</tbody>
</table>
CAMSIE - Partner and Affiliate Institutions
Principal Investigators/Researchers - Contact List

PARTNERS

Howard University
- Dr. Vernon Morris – 202-352-7979
- Dr. Terri Adams – 202-806-6700
- Dr. Demetrius Venable – 301-419-9035
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- Dr. William Stockwell – 202-806-6913
- Dr. Kurban Haydar – 202-431-9790
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- Dr. Ricardo Sakai – 518-478-3718
- Dr. Richard Medina – 915-247-1847
- Dr. Carolyn Storman – 202-582-7489
- Dr. Celeste Malone – 202-806-7345
- Dr. Swiei Li – 518-466-4238

Jackson State University
- Dr. Mehri Fadavi – 601-979-3645
- Dr. Loren White – 601-979-3635
- Dr. Remata Reddy – 601-979-3636
- Dr. Duanjun Lu – 601-979-3614

Penn State University
- Dr. Jose Fuentes – 434-806-8083

State University of New York, Albany
- Dr. Qilong Min – 518-437-8742

University of Puerto Rico, Mayaguez
- Dr. Roy Armstrong – 787-899-2048 x249
- Dr. Yasmin Detres – 787-899-2048 x283

University of Texas, El Paso
- Dr. Rosa Fitzgerald – 915-747-7530
- Dr. Thomas Gil – 915-747-5168
University of Maryland, Baltimore County
- Dr. Belay Demoz – 410-455-2715

University of Maryland, College Park
- Dr. Xin-Zhong Liang – 301-405-6300, 301-708-8097

Affiliates
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Fort Valley State University
- Dr. Hari P. Singh – 478-822-1077

San Diego State University
- Dr. Samuel Shen - 619-594-6280

Tuskegee University
- Dr. Souleymane Fall – 334-552-0850
- Dr. Jose Essamuah-Quansad– 334-727-8419
- Dr. Gamal Salah El Afandi – 334-724-4790

Universidad Metropolitana
- Dr. Juan Arratia – 787-766-1717
CAMSIE Fellowship Program

CAMSIE will support undergraduate and graduate student fellowships to increase the participation of students from traditionally underrepresented communities in NOAA mission-related scientific, management, and policy professional workforce and advance the educational achievement of all Americans. Following is a description of the requirement of students at the different levels.

CAMSIE Baccalaureate Fellows (BF)

During the academic year, BF students will successfully complete their coursework, participate in CAMSIE orientations, work actively with a professor to be mentored, select and work on a research project, attend group meetings, attend relevant NOAA-mission activities, and collaborate with each other professionally.

Additionally, BF students will be required to: a) participate in at least one summer NOAA mission-relevant research and training, b) complete an individualized student development (SDP) plan four (4) times a year in collaboration with their advisor/NOAA mentor (i.e., planning forms, mid-year progress report, end-of-year progress report, summer progress report), c) participate in activities aimed at success in their career paths (i.e., through participation in center-wide education and research webinars, professional meetings, and institutional research events), and d) participate in center-wide trainings (i.e., mock interviews, sessions on professionalism, completing resumes, and professional online profiles) (see Table 3).

CAMSIE Graduate Fellows (GF) (Master’s and Doctoral)

CAMSIE GF will also be required to engage in activities that require inter- and intra-institution collaboration and teaming to: a) participate in NOAA Experiential Research and Training Opportunities (NERTO) or mission-relevant experiential training, b) complete an individualized student development plans four (4) times a year, in collaboration with their advisor/NOAA mentor (i.e., planning forms, mid-year progress report, end-of-year progress report, summer progress report), c) participate in activities aimed at success in their career paths (i.e., through participation in education and research webinars, professional meetings, and institutional research events), and d) participate in center-wide trainings (i.e., leadership development, presenting at conferences, writing for publications, competencies required to work at NOAA, applying to graduate school, and integrating social sciences in ASM research) (see Table 3).

The NERTO experience is expected to help fellows obtain top-tier practical training experiences in a NOAA mission-relevant field. During the year, GF will also participate in ASM group meetings and seminars, work actively on a research project with a professor/NOAA mentor, attend activities at NOAA, pair with a NOAA researcher, present their research, attend leadership trainings, participate in courses and seminars offered at CAMSIE centers, and collaborate with each other professionally.
CAMSIE Postdoctoral Fellows (PF) Program

The goal of the CAMSIE PF program is to support advanced training in NOAA-related sciences. CAMSIE will support two PF in the thematic areas of atmospheric sciences and meteorology. PF must be US citizens appointed within the first nine months of the award start date. The PF will work on project teams that involve multiple academic institutions and will co-locate at a NOAA facility for a minimum duration of six (6) consecutive months and not to exceed one (1) year (see Table 3). This would engage and expand the CAMSIE collaboration with NOAA in atmospheric sciences and meteorology. PF will complete an Individual Postdoctoral Development Plan (IPDDP) three (3) times a year (planning form, mid-year progress report, and end-of-year progress report). In addition to the CAMSIE faculty mentor, each PF is expected to be collaborative with other CAMSIE Corporative Science Centers (CSC) PF, CSC scientists, and NOAA scientists. The PF will receive support for travel, professional development (technical skills training where relevant), and be included in strategic planning, project management, and student mentoring (see Table 3 and Appendix D for Letter of Understanding).

Table 3: CAMSIE Education and Training Requirements for ASM Student and Postdoctoral Fellows

<table>
<thead>
<tr>
<th>Level</th>
<th>Minimum Rate Per Year ($)</th>
<th>Purpose</th>
<th>Support Time Period</th>
<th>Education and Training Requirements¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate</td>
<td>12,000</td>
<td>Scholarship tuition, stipend, student-travel support</td>
<td>Up to 2 years</td>
<td>All UG student fellows are required to: a) apply for one NOAA mission research and training summer internship experience annually b) participate in one CAMSIE Application Workshop Training c) participate in at least two center-wide professional development activities annually d) complete Student Development Plans (SDP) (planning form, mid-year, end-of-year, and summer) e) have one faculty member advisor</td>
</tr>
<tr>
<td>Master’s</td>
<td>25,000</td>
<td>Fellowship tuition, stipend, travel</td>
<td>Up to 2 years</td>
<td>All Master’s student fellows are required to: a) receive one-time support of up to $10,000 for research-related travel b) participate in a one-time NOAA Experiential Research and Training Opportunity (NERTO) ($5,000) c) attend at least one professional meeting a year d) participate in at least three professional development activities per year (i.e., two center-wide professional development trainings and one advanced research/skill training) e) complete SDPs (planning form, mid-year, end-of-year, and summer) f) have one faculty member advisor and one NOAA mentor</td>
</tr>
</tbody>
</table>

¹ All program activities (e.g., attending professional meetings) are contingent on funds
| Doctoral Fellows | 36,000 | Up to 2 years | All doctoral student fellows are required to:  
a) receive one time support of up to $20,000 for research-related travel  
b) participate in one time NERTO experience ($10,000)  
c) attend at least one professional meeting a year (aim to present)  
d) participate in at least three professional development activities (i.e., two center-wide professional development trainings and one advanced research/skill training)  
e) complete SDPs (planning form, mid-year, end-of-year, and summer)  
f) have one faculty member advisor and one NOAA mentor |
| Postdoctoral Fellows | 2 years | All postdoctoral fellows are required to:  
a) collaborate with other postdoctoral fellows, ASM scientists, and NOAA scientists  
b) conduct research that addresses NOAA-mission science priority areas  
c) co-locate at a NOAA facility for a minimum duration of six (6) consecutive months and not to exceed one (1) year  
d) complete IPDDP (planning form, mid-year progress report, and end of year progress report) |

The CAMSIE Fellowship Program supports CAMSIE postsecondary student fellows (undergraduate and/or graduate) financially. CAMSIE fellows are grouped by cohorts. Cohorts are established when students enter the program annually (i.e., students entering the CAMSIE program in 2016-2017 will be assigned to Cohort 1, students entering in 2017-2018 will be assigned to Cohort 2, and so on).

This section highlights the CAMSIE Fellow requirements for undergraduate and graduate students:

1. Must be a United States citizen

2. Must maintain a 3.0 GPA per semester and make satisfactory progress toward doctoral, master’s, or bachelor’s degree

3. CAMSIE fellowships are renewable for:
   - Doctoral degree - no more than two (2) years  
   - Master’s degree - no more than two (2) years  
   - Bachelor’s degree - no more than two (2) years

4. CAMSIE fellowship program will pay the minimum amount listed per degree program annually for up to two (2) years to CAMSIE fellows:
   - Doctoral student – $30,000 USD per year  
   - Master’s student – $25,000 USD per year  
   - Undergraduate student – $12,000 USD per year
The amounts listed can represent any combination of tuition, stipend, and conference travel paid directly to the fellow. CAMSIE will not pay for repeat courses and does not support international travel.

5. Research goals must be aligned with NOAA/CAMSIE research guidelines. CAMSIE Fellows must be able to fully address how their specific research fits into the research themes of the Center.

6. Fellows must maintain full-time status every semester. (Note: graduate students at the writing stage of their thesis or dissertation, having met all other requirements, could be exempt from the “full-time status” requirement when enrolled in thesis or dissertation credits, with approval).

7. Graduate fellows must have a CAMSIE faculty advisor and a NOAA mentor; undergraduate fellows must have a CAMSIE faculty advisor.

8. Fellows must attend one (1) professional meeting or research-related travel one time per year.
   - Attendance to the American Meteorological Society (AMS) conference is strongly advised to occur before your tenure as a CAMSIE fellow has ended
   - Attendance to all professional meetings must be completed by August 31 of each fiscal year
   - Professional meetings and/or research travel must be approved by your advisor and Lead Investigator at the partner institutions

9. Graduate fellows are required to engage in a NOAA Experiential Research and Training Opportunity (NERTO) experience during their fellowship. The following dollar amounts will cover the cost of expenses and travel that might be incurred when completing the NERTO experience.
   - Doctoral - $10,000 per year stipend and travel *
   - Master’s - $5,000 per year stipend and travel *

   *All NERTO must be approved by the CAMSIE faculty advisor and institution’s lead investigator

10. Undergraduate fellows (rising sophomores) are required to apply for a NOAA funded summer internship opportunity.

11. Fellows are required to complete an Individual Student Development Plan (SDP) four times a year (see Appendix A).

12. Fellows are required to participate in CAMSIE center-wide professional development activities during the CAMSIE fiscal year.

13. Fellows are required to participate in all CAMSIE scheduled workshops, meetings, trainings, and activities. This is not limited to and will include: NOAA Education Partnership Program (EPP) Biennial Forum, professional development workshops, and center-wide trainings.
14. Fellows may periodically be required to attend special events of NOAA and other activities determined as necessary and appropriate by the CAMSIE program.

15. Fellows should identify themselves as a CAMSIE fellow in email communication and/or correspondences.

16. Fellows will be funded at a maximum of two-year commitment and all Fellows are expected to participate full-time during each summer.

17. Fellows cannot engage in full-time employment (40 hours per week) outside of the Center, degree program, and/or academic institution.

18. Fellows must adhere to all computer, data, attribution/acknowledgement, and resource policies (see Appendix B).

19. Academic problems or personal concerns encountered with my education, research, and training should be brought to the attention of my CAMSIE faculty advisor and/or NOAA mentor.

20. All requests or grievances related to the CAMSIE program must be in writing to the CAMSIE Director. Any verbal request will be considered unofficial and will not be acted upon until it is followed by a written request.

21. CAMSIE fellows will be tracked longitudinally for 3 years upon leaving the program for any reason. Data collected will include post CAMSIE employment/career and education information.

CAMSIE Postdoctoral Fellowship Program

The goal of the CAMSIE Postdoctoral Fellowship Program is to support advanced training in NOAA-related sciences with the goal to conduct research that directly supports NOAA’s mission, strategic plan, objectives, and outcomes.

This section highlights the requirements for the CAMSIE Postdoctoral Fellow:

1. Must be United States citizens.

2. Must be a recent doctoral graduate; within two (2) years of graduation.

3. Doctoral degree field must support NOAA’s mission.

4. Period of eligibility to be supported on award funds in the CAMSIE Postdoctoral Fellowship program is 24 months within a 26-month period.
5. Research should be collaborative amongst other postdoctoral fellows, CAMSIE scientists, and NOAA scientists.

6. Research must address NOAA-mission science priority areas.

7. Postdoctoral Fellow must co-locate at a NOAA facility for a minimum duration of six (6) consecutive months and not to exceed one (1) year over the tenure of the Fellowship.

8. Must complete an individual postdoctoral development plan (IPDDP) three (3) times a year (see Appendix C).

9. Must adhere to all computer, data, attribution/acknowledgement, and other CAMSIE resource policies.

10. All requests or grievances related to the CAMSIE program must be in writing to the CAMSIE director. Any verbal request will be considered unofficial and will not be acted upon until it is followed by a written request.

**CAMSIE Faculty Advisor and NOAA Mentor**

Each CAMSIE graduate student must have a NOAA mentor. The role of the NOAA mentor, collaborating with the academic CAMSIE mentor, is to assure the NOAA mission-relevance of the student’s project. The NOAA mentor may also provide and/or support guidance to enhance the development of skills and competencies for the NOAA mission future workforce.

This section highlights the requirements for the **CAMSIE Faculty Advisor and NOAA Mentor**:

1. Each CAMSIE undergraduate fellow must be assigned a CAMSIE faculty advisor.

2. Each CAMSIE graduate fellow must be assigned a CAMSIE faculty advisor and NOAA mentor.

3. The NOAA mentor and faculty advisor will collaborate to assure NOAA mission-relevance of student research and to familiarize the student with NOAA workplace culture and expectations.

4. NOAA mentors will be solicited for all NOAA line offices.

5. CAMSIE faculty advisors will be experienced faculty and scientists at the various CAMSIE institutions.
6. The CAMSIE mentoring program will include a) planning, b) mentor recruitment, training and matching, c) delivery of mentoring services, and d) monitoring program effectiveness.

7. CAMSIE faculty advisors and NOAA mentors will expose CAMSIE students to both formal and informal mentoring opportunities (e.g., with researcher and scientist at annual professional meetings and other informal professional events)
II. Administration and Personnel

Overview

All CAMSIE fellows are required to become familiar with CAMSIE’s policies and procedures during and after the fellowship. All fellows are expected to follow CAMSIE policies and procedures while pursuing their academic and professional goals and conducting any CAMSIE-related business.

On Receiving CAMSIE Fellowship

On receiving an offer as a Fellow, CAMSIE may conduct a comprehensive background check for education confirmation. You will be asked to complete/sign the following:

- **Acceptance Letter**: Formal acceptance of CAMSIE support.
- **Letter of Understanding (LOU)**: The LOU lays out the terms and conditions for a CAMSIE Fellowship (see Appendix D).
- **Fellow Contact Form**: This form collects contact and background information on the fellow (see Appendix E).

During CAMSIE Fellowship

In order to maintain a cordial and productive working relationship, the fellow is expected to adhere to the rules, regulations, and responsibilities of the LOU (see Appendix D), to be professional, to meet deadlines for submitting required documentation, and to observe rules and procedures pertaining to academics and CAMSIE requirements.

Travel Procedures

Travel for professional meetings or research must be recommended by your faculty advisor and approved by the CAMSIE director, in advance. (Note: Fellows hotel reservations are always for double rooms)

- Please complete the **CAMSIE Fellow Travel Request Form** and have your advisor and the director sign to approve travel (see Appendix F).
- Please complete the **CAMSIE Fellow Travel Report** Form after travel (see Appendix G).
Purchasing Procedures

The purchase of items for CAMSIE must be recommended and approved by your advisor and approved by the CAMSIE director, in advance.

- Please complete the **CAMSIE Fellow Purchasing Form** and have your advisor and the director sign to approve purchases (see Appendix H).

On Completing CAMSIE Fellowship

In situations where fellows voluntarily or involuntarily separate from CAMSIE, they are expected to comply with CAMSIE’s expectations for completing the fellowship.

CAMSIE makes all efforts to ensure longevity of employment relationships by appropriately matching fellows with advisors and mentors. However, if CAMSIE determines that a fellow’s performance does not improve in spite of continued support, or if the fellow repeatedly violates CAMSIE practices, rules, or standards of conduct, the fellow’s tenure with CAMSIE will be terminated (see Letter of Understanding, Appendix D).

In a voluntary separation situation, CAMSIE requests that the fellow provide a two-week notice prior to the day of departure. In addition, CAMSIE would like to conduct an exit interview to discuss the Fellow’s reasons for leaving and any other impressions that the Fellow may have about the project.

Any CAMSIE property issued to the fellow must be returned to CAMSIE at the time of exit. The materials can be given to the assistant director or the director.

Also be aware that all CAMSIE fellows will be tracked for three years upon leaving the program for any reason. Data collected will include post CAMSIE employment/career and education information.

### III. CAMSIE Website and Social Media Profiles

A student center link will be set up on the CAMSIE website. From this link, fellows/students will be able to obtain information about CAMSIE and upload required documents (e.g., Individual Student Development Plans – SDP and other required forms).

CAMSIE will also have multiple social media platforms to help faculty, students, staff and stakeholders stay connected and learn about all of its activities. Please connect and follow the sites to stay abreast of CAMSIE program news and use the platforms to share photographs, updates, and milestones about your academic pursuits.
The official CAMSIE social media accounts will be at the following sites:

Facebook

Google+

Instagram

Linkedin

Twitter

YouTube
IV. Appendices

A. Individual Student Development Plan
B. CAMSIE Acknowledgement Guidelines
C. Individual Postdoctoral Development Plan
D. CAMSIE Letter of Understanding
E. CAMSIE Fellow Contact Form
F. CAMSIE Fellow Travel Request Form
G. CAMSIE Fellow Travel Report Form
H. CAMSIE Fellow Purchasing Form
APPENDIX A

Individual Student Development Plan

CAMSIE Individual Student Development Plan (SDP)
Fellows Profile (2016-2017)

DIRECTIONS: The SDP consists of five sections: 1) Background Information, 2) Annual Planning Form, 3) Mid-Year Progress Report, 4) Year-End Progress Report, and 5) Summer Progress Report.

1) The Background Information section should be completed by the students at the start of the academic year (either August/September for the fall semester or January for the spring semester) to gather background and contact information for students.

2) The Annual Planning Form should be completed by the student, advisor, and NOAA mentor at the start of the academic year (either August/September for the fall semester or January for the spring semester) to plan student education and research activities for the upcoming year.

3) The Mid-Year Progress Report should be completed by the student and approved by the advisor and NOAA mentor at mid-year (either December/January for fall semester entrants or May for spring semester entrants). This form should document accomplishments, challenges, revisions, and needs by the mid-year (or during the fall semester).

4) The Year-End Progress Report should be completed by the student and approved by the advisor at the end of the academic year in May. This form should document accomplishments, challenges, revisions, and needs by the year end (during the spring semester).

5) The Summer Progress Report should be completed by the student, advisor, and NOAA mentor at the end of the summer experience in August. The form should document accomplishments, challenges, and needs.

Please complete each section of the SDP at the appropriate time.

Thank you!
### Background Information

**Directions:** Please complete all items in this section.

1. Today’s Date: ____________________________________________________________

2. Name: ____________________________________________________________________

3. CAMSIE Institution: ____________________________________________________________________

4. Phone: ___________________________ 5. Email: ____________________________________________________________________

6. Semester/Year entered CAMSIE Program (e.g., Fall/2016): ______/_______

7. Cohort (or academic year entered the CAMSIE program) (check one)
   - a. Cohort 1, 2016-2017 _____
   - b. Cohort 2, 2017-2018 _____
   - c. Cohort 3, 2018-2019 _____
   - d. Cohort 4, 2019-2020 _____
   - e. Cohort 5, 2020-2021 _____

8. Degree and Degree Name (e.g., MS, Atmospheric Sciences): ____________________________

9. Expected Date (Semester/Year) of Graduation (e.g., Spring/2018): ______/___________

10. Name of Faculty Advisor: ____________________________________________________________________

11. Name of NOAA Mentor: _____________________________________________________________

12. Research Thematic Area: ___________________________________________________________

13. Title of Research Project: ___________________________________________________________

14. Current Cumulative GPA: ___________________________________________________________

15. Last Semester’s GPA: _______________________________________________________________
### EDUCATION ACTIVITIES

<table>
<thead>
<tr>
<th>Education and Training Requirements</th>
<th>Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. COURSEWORK:</strong> List all courses you will enroll in during the current academic year (fall and spring).</td>
<td></td>
</tr>
</tbody>
</table>
| **2. RESEARCH:** List research activities you will be involved in during the academic year (fall and spring) and your role.  
*Students are required to attend one professional meeting or research-related travel one time per academic year* | |
| **3. PROFESSIONAL MEETINGS/CONFERENCES:** List all professional meetings/conferences you will attend during the academic year (fall and spring).  
*Students are required to attend one professional meeting or research-related travel one time per academic year* | |
| **4. NOAA EXPERIENTIAL RESEARCH AND TRAINING OPPORTUNITY (NERTO):** List the NERTO research activity for which you will apply or experience during the academic year or summer at a NOAA facility and your role.  
*All graduate students are required to participate in one NERTO experience as a CAMSIE fellow; All undergraduate rising sophomores must apply for a NOAA summer internship program* | |
| **5. PROFESSIONAL DEVELOPMENT ACTIVITIES:** List the professional development activities you will participate in this year  
*All students are required to participate in three professional development activities – two (2) center-wide professional development* | |

---

2 The Annual Planning Form should be completed at the start of the academic year (either August/September for the fall semester or January for the spring semester). Undergraduate, masters, and doctoral students should complete this form annually.
trainings and one (1) advanced research/skill training annually

6. **PUBLICATIONS**: List peer-review and non-peer review publications which you will be working on during the academic year (fall and spring).

7. **PRESENTATIONS AT CONFERENCES**: List presentations you will make at professional meetings during the academic year (fall and spring), include dates, locations, and titles.

8. **SOCIAL SCIENCES INTEGRATION**: Describe how you will integrate social sciences in your research during the academic year.

Student Signature______________________________ Date____________________

Advisor Signature______________________________ Date____________________

NOAA Mentor Signature__________________________ Date____________________
## NCAS Program Requirement Checklist

### General:
- You must maintain at least a 3.0 GPA every semester
- Have one faculty member advisor and one NOAA mentor (graduate students)
- Have one faculty advisor (undergraduate students)

### One Time Experience:
- Participate in one time NERTO experience (graduate students)

### Annual:
- Attend at least one professional meeting (aim to present) or research-related travel annually
- Participate in at least three professional development activities (i.e., two center-wide professional development trainings and one advanced research/skill training)
- Complete SDPs four times a year (planning form, mid-year, end-of-year, and summer)
# MID-YEAR PROGRESS REPORT

## EDUCATION AND RESEARCH ACTIVITIES

<table>
<thead>
<tr>
<th>Academic/Research Development</th>
<th>Response</th>
<th>Accomplishments</th>
<th>Challenges</th>
<th>Needs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. <strong>Coursework</strong>: List all courses you enrolled in during the fall semester.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. <strong>Research</strong>: List research activities you were involved in during the fall semester and your role. <em>(Students are required to attend one professional meeting or research-related travel one time per academic year)</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. <strong>Professional Meetings/Conferences</strong>: List all professional meetings you will attended during the fall semester. <em>(Students are required to attend one professional meeting or research-related travel one time per academic year)</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. <strong>NOAA Experiential Research and Training Opportunity (NERTO)</strong>: List the NERTO research activity for which you applied during the fall semester and your role.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

3 The Mid-Year Progress Report should be completed in December/January for fall semester entrants or May for spring semester entrants.
(All graduate students are required to participate in one NERTO experience as a CAMSIE fellow; All undergraduate rising sophomores must apply for a NOAA summer internship program)

5. **PROFESSIONAL DEVELOPMENT ACTIVITIES:** List professional development activities you participated in during the fall semester. *(All students are required to participate in three professional development activities – two center-wide professional development trainings and one advanced research/skill training annually)*

6. **PUBLICATIONS:** List peer-review and non-peer review publications on which you worked during the fall semester.

7. **PRESENTATIONS AT CONFERENCES:** List presentations you made at professional meetings during the fall semester, include dates, locations, and titles.

8. **SOCIAL SCIENCES INTEGRATION:** Describe how you integrated social sciences in your research during the fall semester.

---

Student Signature_________________________________________  Date______________________________________________
NCAS PROGRAM REQUIREMENT CHECKLIST

General:
□ You must maintain at least a 3.0 GPA every semester
□ Have one faculty member advisor and one NOAA mentor (graduate students)
□ Have one faculty advisor (undergraduate students)

One Time Experience:
□ Participate in one time NERTO experience (graduate students)

Annual:
□ Attend at least one professional meeting (aim to present) or research-related travel annually
□ Participate in at least three professional development activities (i.e., two center-wide professional development trainings and one advanced research/skill training)
□ Complete SDPs four times a year (planning form, mid-year, end-of-year, and summer)
## Year-End Progress Report
### Education and Research Activities

<table>
<thead>
<tr>
<th>Academic Development</th>
<th>Response</th>
<th>Accomplishments</th>
<th>Challenges</th>
<th>Needs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. <strong>Coursework</strong>: List all courses you enrolled in during the spring semester.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. <strong>Research</strong>: List research activities you were involved in during the spring semester and your role. <em>(Students are required to attend one professional meeting or research-related travel one time per academic year)</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. <strong>Professional Meetings/Conferences</strong>: List all professional meetings you will attend during the spring semester. <em>(Students are required to attend one professional meeting or research-related travel one time per academic year)</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. <strong>NOAA Experiential Research and Training Opportunity (NERTO)</strong>: List the NERTO research activity for which you applied during the spring semester and your role.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

*The Year-End Progress Report should be completed in May.*
(All graduate students are required to participate in one NERTO experience as a CAMSIE fellow; All undergraduate rising sophomores must apply for a NOAA summer internship program)

5. **Professional Development Activities:** List professional development activities you participated in during the spring semester. *(All students are required to participate in three professional development activities – two center-wide professional development trainings and one (1) advanced research/skill training annually)*

6. **Publications:** List peer-review and non-peer review publications on which you worked during the spring semester.

7. **Presentations at Conferences:** List presentations you made at professional meetings during the spring semester, include dates, locations, and titles.

8. **Social Sciences Integration:** Describe how you integrated social sciences in your research during the spring semester.
NCAS Program Requirement Checklist

General:
☐ You must maintain at least a 3.0 GPA every semester
☐ Have one faculty member advisor and one NOAA mentor (graduate students)
☐ Have one faculty advisor (undergraduate students)

One Time Experience:
☐ Participate in one time NERTO experience (graduate students)

Annual:
☐ Attend at least one professional meeting (aim to present) or research-related travel annually
☐ Participate in at least three professional development activities (i.e., two center-wide professional development trainings and one advanced research/skill training)
☐ Complete SDPs four times a year (planning form, mid-year, end-of-year, and summer)
CAMSIE STUDENT DEVELOPMENT PLAN

SUMMER PROGRESS REPORT FORM

NAME: 

EMAIL: 

PHONE: 

NAME OF FACULTY ADVISOR: 

ACADEMIC INSTITUTION: 

DIRECTIONS: Please document your summer activities as it relates to the following areas: a) Academic Development, b) Professional/Career Development, and c) NOAA Experiential Research and Training Opportunity (NERTO).

<table>
<thead>
<tr>
<th>AREAS</th>
<th>ACTIVITIES (2017)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>JUNE</td>
</tr>
<tr>
<td>1</td>
<td>ACADEMIC DEVELOPMENT (e.g., course work, seminars, research, publications)</td>
</tr>
<tr>
<td>2</td>
<td>PROFESSIONAL/CAREER DEVELOPMENT (e.g., workshops, conferences, presentations)</td>
</tr>
<tr>
<td>3</td>
<td>NOAA EXPERIENTIAL RESEARCH AND TRAINING OPPORTUNITY (NERTO): (NERTO research activity or NOAA summer internship)</td>
</tr>
</tbody>
</table>

5 The NCAS Summer Progress Report Form is due by August 31. Please submit completed form to the Student Center on the CAMSIE website.
**NCAS Program Requirement Checklist**

**General:**
- You must maintain at least a 3.0 GPA every semester
- Have one faculty member advisor and one NOAA mentor (graduate students)
- Have one faculty advisor (undergraduate students)

**One Time Experience:**
- Participate in one time NERTO experience (graduate students)

**Annual:**
- Attend at least one professional meeting (aim to present) or research-related travel annually
- Participate in at least three professional development activities (i.e., two center-wide professional development trainings and one advanced research/skill training)
- Complete SDPs four times a year (planning form, mid-year, end-of-year, and summer)
APPENDIX B

Center for Atmospheric Sciences, Meteorology, Societal Impact, and Environment (CAMSIE)

Acknowledgment Guidelines

“CAMSIE is funded by NOAA/EPP Cooperative Agreement #NA16SEC4810006”

REQUIRED DISCLAIMERS

All publications in scientific journals must contain acknowledgement of NOAA EPP support with the appropriate award number and the following statement:

"This publication was made possible by the National Oceanic and Atmospheric Administration, Office of Education Educational Partnership Program award. Its contents are solely the responsibility of the award recipient and do not necessarily represent the official views of the U.S. Department of Commerce, National Oceanic and Atmospheric Administration."

In addition, all publications and other materials, except scientific articles or papers published in scientific journals, must contain the following statement:

"Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Commerce, National Oceanic and Atmospheric Administration."

REQUIRED ATTRIBUTION

Along with the NOAA logo, the following acknowledgment of EPP support must appear in the publication of any material, whether copyrighted or not, and any products produced in electronic formats (e.g., World Wide Web pages, computer programs, recruitment flyers, etc.) which is substantially based upon or developed under this award:

"This material is based upon work supported by the National Oceanic and Atmospheric Administration, Educational Partnership Program, U.S. Department of Commerce, under Agreement No. NOAA-SEC-OED-2016-2004758"
Some relevant citations when referring to CAMSIE:


AEROSE Data Acknowledgment

AEROSE is the trans-Atlantic AERosols and Ocean Science Expeditions. AEROSE is supported primarily by NOAA through the Educational Partnership Program via Cooperative Agreement NA11SEC4810003. Additional support is provided by NOAA NESDIS STAR. The AEROSE science team is also acknowledged for providing data analysis and access to metadata generated from the campaigns. Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Commerce, National Oceanic and Atmospheric Administration.

Some relevant citations when referring to AEROSE:


APPENDIX C
Individual Postdoctoral Development Plan

Center for Atmospheric Sciences, Meteorology, Societal Impact, and Environment (CAMSIE)

Individual Postdoctoral Development Plan (IPDDP)

DIRECTIONS: The IPDDP consists of four sections: 1) Background Information, 2) Annual Planning Form, 3) Mid-Year Progress Report, and 4) Year-End Progress Report.

1) The Background Information section should be completed by the fellow at the start of hire.

2) The Annual Planning Form should be completed by the postdoctoral fellow, CAMSIE advisor, and NOAA mentor at the start of hire to plan postdoctoral activities for the upcoming year.

3) The Mid-Year Progress Report should be completed by the postdoctoral fellow and approved by the CAMSIE advisor and NOAA mentor six months after hire. This form should document accomplishments, challenges, revisions, and needs six months after hire.

4) The Year-End Progress Report should be completed by the postdoctoral fellow and approved by the CAMSIE advisor and NOAA mentor twelve months after hire. This form should document accomplishments, challenges, and needs twelve months after hire.

Please complete each section of the IPDDP at the appropriate times.

Thank you!
Background Information

Directions: Please complete all items in this section.

1. Today’s Date: ____________________________________________________________
2. Name: __________________________________________________________________
3. CAMSIE Institution: ______________________________________________________
4. Phone: __________________________________________________________________
5. Email: __________________________________________________________________
6. Date of Hire: _____________________________________________________________
7. Date of Mid-Year Progress Report: __________________________________________
8. Date of Year-End Progress Report: __________________________________________
9. Highest Degree: ___________________________________________________________
10. Graduation Date: _________________________________________________________
11. Graduation Institution: ____________________________________________________
12. Name of CAMSIE Mentor: ________________________________________________
13. Name of NOAA Scientist Serving as Your Mentor: _____________________________
14. CAMSIE Research Thematic Area: __________________________________________
15. Title of Research Project: _________________________________________________
**Directions:** Annual Planning Form – please document activities for each item in the Activities column.

**ANNUAL PLANNING FORM**

<table>
<thead>
<tr>
<th><strong>ACADEMIC/RESEARCH DEVELOPMENT</strong></th>
<th><strong>ACTIVITIES</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>9. <strong>CONFERENCES:</strong> List all conferences you will attend during the year and presentations you will make at conferences during the year, include dates, locations, and titles.</td>
<td></td>
</tr>
<tr>
<td>10. <strong>RESEARCH:</strong> List research projects you will be involved in during the year that addresses NOAA-mission science.</td>
<td></td>
</tr>
<tr>
<td>11. <strong>NOAA SITE-BASED RESEARCH:</strong> List NOAA site-based research projects you will be involved in during the year. <em>(Each postdoctoral fellow must participate in co-location of at least a one-time NOAA site-based research opportunity that is six (6) consecutive months and not to exceed one (1) year)</em></td>
<td></td>
</tr>
<tr>
<td>12. <strong>PUBLICATIONS:</strong> List peer-review publications you will be working on during the year.</td>
<td></td>
</tr>
<tr>
<td>13. <strong>TECHNICAL SKILLS DEVELOPMENT:</strong> List any technical skills you plan to acquire during the year (e.g. use of statistical software, lab equipment).</td>
<td></td>
</tr>
</tbody>
</table>

---

6 To be completed at time of hire.
14. **COLLABORATIVE ACTIVITIES**: List collaborative research activities among postdoctoral fellows, CSC scientists, and NOAA scientists you plan to participate in during the year.

<table>
<thead>
<tr>
<th>Postdoctoral Fellow Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAMSIE Advisor Signature</td>
<td>Date</td>
</tr>
<tr>
<td>NOAA Mentor Signature</td>
<td>Date</td>
</tr>
</tbody>
</table>

**CAMSIE Postdoctoral Fellow Checklist**

- Collaborative research among other postdoctoral fellows, CAMSIE scientists, and NOAA scientists
- Co-location at a NOAA facility for a minimum of six (6) consecutive months and not to exceed one (1) year
- Completion of individual postdoctoral development plan (3 times a year)
- Research in NOAA-mission science priority areas
**Directions:** *Mid-Year Progress Report* – please document accomplishments, challenges, and needs for each item by the mid-year.

### MID-YEAR PROGRESS REPORT

<table>
<thead>
<tr>
<th><strong>ACADEMIC/RESEARCH DEVELOPMENT</strong></th>
<th><strong>RESPONSE</strong></th>
<th><strong>ACCOMPLISHMENTS</strong></th>
<th><strong>CHALLENGES</strong></th>
<th><strong>NEEDS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. CONFERENCES:</strong> List all conferences you attended and conference presentations you made by mid-year, include dates, locations, and titles.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2. RESEARCH:</strong> List research projects you were involved in by year-end that address NOAA-mission science.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3. NOAA SITE-BASED RESEARCH:</strong> List NOAA site-based research projects you were involved in by mid-year. <em>(Each postdoctoral fellow must participate in co-location of at least a one-time NOAA site-based research opportunity that is six (6) consecutive months and not to exceed one (1) year)</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>4. PUBLICATIONS:</strong> List peer-review publications you worked by mid-year.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5. TECHNICAL SKILLS DEVELOPMENT:</strong> List technical skills you acquired by mid-year (e.g. use of statistical software, lab equipment).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>6. COLLABORATIVE ACTIVITIES:</strong> List collaborative research activities among postdoctoral fellows, CSC scientists, and NOAA scientists you participated in by mid-year.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*The *Mid-Year Progress Report* should be completed six months after hire.*
CAMSIE Postdoctoral Fellow Checklist

☐ Collaborative research among other postdoctoral fellows, CAMSIE scientists, and NOAA scientists
☐ Co-location at a NOAA facility for a minimum of six (6) consecutive months and not to exceed one (1) year
☐ Completion of individual postdoctoral development plan (3 times a year)
☐ Research in NOAA-mission science priority areas
**Directions:** Year-End Progress Report – please document accomplishments, challenges, and needs for each item by from mid-year to year-end.

### YEAR-END PROGRESS REPORT

<table>
<thead>
<tr>
<th>ACADEMIC/RESEARCH DEVELOPMENT</th>
<th>RESPONSE</th>
<th>ACCOMPLISHMENTS</th>
<th>CHALLENGES</th>
<th>NEEDS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. CONFERENCES:</strong> List all conferences you attended and conference presentations you made by year-end, include dates, locations, and titles.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2. RESEARCH:</strong> List research projects you were involved in by year-end that address NOAA-mission science.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3. NOAA SITE-BASED RESEARCH:</strong> List NOAA site-based research projects you were involved in by year-end. <em>(Each postdoctoral fellow must participate in co-location of at least a one-time NOAA site-based research opportunity that is six (6) consecutive months and not to exceed one (1) year)</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>4. PUBLICATIONS:</strong> List peer-review publications you worked by year-end.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5. TECHNICAL SKILLS DEVELOPMENT:</strong> List technical skills you acquired by year-end (e.g. use of statistical software, lab equipment).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>6. COLLABORATIVE ACTIVITIES:</strong> List collaborative research activities among postdoctoral fellows, CSC scientists, and NOAA scientists you participated in by year-end.</td>
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*The Year-End Progress Report should be completed at the end of the fiscal year.*
CAMSIE Postdoctoral Fellow Checklist

☐ Collaborative research among other postdoctoral fellows, CAMSIE scientists, and NOAA scientists
☐ Co-location at a NOAA facility for a minimum of six (6) consecutive months and not to exceed one (1) year
☐ Completion of individual postdoctoral development plan (3 times a year)
☐ Research in NOAA-mission science priority areas
APPENDIX D

Letter of Understanding
CAMSIE Student Fellowship
2016-2017

Undergraduate and Graduate Fellowship Program

The goal of CAMSIE, the Cooperative Science Center for Atmospheric Sciences and Meteorology, is to conduct education and research that directly supports NOAA’s mission, strategic plan, objectives, and outcomes. In addition, CAMSIE will recruit, train, and graduate students particularly from underrepresented minority communities to become eligible to successfully compete and enter agency mission workforce, academia, and other STEM focused management agencies.

The goal of the CAMSIE fellowship is to support advanced training and matriculation in NOAA-related sciences.

I accept this support with the understanding of the program and fellowship goals. In accepting the CAMSIE fellowship, I agree to abide by the following rules, regulations, and responsibilities:

1. I understand that I am expected to exhibit the highest level of honesty, academic integrity, and respect toward self and others at all times.

2. I understand that the CAMSIE program is an educational and financial support program that requires participation in education, research, and training activities designated by the CAMSIE program.

3. I understand that I must be United States citizens to receive program funding.

4. I understand that I am required to maintain a 3.0 GPA per semester and make satisfactory progress toward my doctoral, master’s, or bachelor’s degree. I will not be financially supported if I do not meet the minimum 3.0 GPA for every semester or repeat courses previously paid for by CAMSIE. I may return to the program when my GPA is 3.0 or higher.

5. I understand that the CAMSIE program will pay fees, tuition, and stipend for the 2016-2017 fiscal year per the program requirements as follows:

   - Doctoral student – $30,000 per year, up to two (2) years
   - Master’s student – $25,000 per year, up to two (2) years
   - Undergraduate student – $12,000 per year, up to two (2) years
6. I understand that my stipend will be paid bimonthly starting September 1, 2016 through August 31, 2017.

7. I understand that my fellowship is renewable for the following number of years depending on degree program:

- Doctoral degree - no more than two (2) years
- Master’s degree - no more than two (2) years
- Bachelor’s degree - no more than two (2) years

Annual renewal will be based upon availability of funds, academic standing, research progress, and fulfillment of CAMSIE program requirements.

8. I understand that I must have my research goals in alignment with NOAA/CAMSIE research guidelines. I must be able fully address how my specific research fits into the research themes of the Center.

9. I understand that I must maintain full-time status every semester I am funded. If I fail to maintain full-time status for any reason, I revoke my right to tuition, fees, and stipend (Note: graduate students at the writing stage of their thesis or dissertation, having met all other requirements, could be exempt from the “full-time status” requirement when enrolled in thesis or dissertation credits).

10. I understand I must have a faculty advisor and NOAA mentor associated with my graduate or undergraduate research.

11. I understand I must complete one (1) professional meeting/research-related travel one time per year.

- Attendance to the American Meteorological Society (AMS) conference is strongly advised to occur before your tenure as a CAMSIE fellow has ended
- Attendance to all professional meetings must be completed by August 31 of each fiscal year
- Professional meetings and/or research travel must be approved by your advisor and Lead Investigator for your institution

12. I understand that I must engage in a NOAA Experiential Research and Training Opportunity (NERTO) experience before I graduate. The following dollar amounts will cover the cost of expenses and travel that might be incurred when completing the NERTO experience.

- Doctoral - $10,000 per year stipend and travel *
- Master’s - $5,000 per year stipend and travel *
- Rising Sophomores - NOAA Funded Summer Internship Opportunity

*All NERTO must be approved by the faculty advisor and institution’s lead investigator

13. I understand that I am required to complete an Individual Student Development Plan four times a year.
14. I understand that I am required to participate in CAMSIE center-wide professional development activities during the academic year.

15. I understand that I am required to participate in all CAMSIE scheduled workshops, meetings, trainings, and activities. This is not limited to but will include: biennial EPP forum, professional development workshops, and center-wide trainings.

16. I understand that periodically the CAMSIE program will require that I attend special events of NOAA and other activities determined as necessary and appropriate by the CAMSIE program.

17. I understand that I should identify myself as a CAMSIE fellow in all communication and/or correspondences (e.g., in your email signature).

18. I understand that I am obligated to balance my time among academics, research, and support of CAMSIE programs and operations.

19. I understand that travel requests will be considered and decided upon by the CAMSIE director based on the following criteria: CAMSIE priorities, timeliness of request, research relevance and advisor recommendation. No international travel is supported with funds from this program.

20. I understand that the CAMSIE fellowship is a two-year commitment and all fellows are expected to work full-time during each summer.

21. I understand that I cannot engage in full-time employment (40 hours per week) outside of the Center, degree program, and/or academic institution.

22. I understand that the CAMSIE program will be taking photographs and video on a periodic basis, and I give permission for my voice and likeness to appear in any CAMSIE publications or the CAMSIE website.

23. I understand that I must adhere to all computer, data, attribution/acknowledgement, and other CAMSIE resource policies.

24. I understand that I must have an email account on file, which I must check daily. Moreover, I understand that I am responsible for a timely response to all information relayed in these messages.

25. I understand that academic problems or personal concerns encountered with my education, research, and training should be brought to the attention of my CAMSIE faculty advisor and/or NOAA mentor.

26. I understand that all requests or grievances related to the CAMSIE program must be in writing to the CAMSIE Director. Any verbal request will be considered unofficial and will not be acted upon until it is followed by a written request.

27. I have read all of the CAMSIE program requirements and I fully understand my responsibilities as part of this program. I further realize that my fellowship may be terminated at any time without further
compensation if the CAMSIE program determines that I am not meeting my responsibilities or have failed to comply with any terms of this Letter of Understanding.

By signing this document, I acknowledge full compliance:

_________________________________  ___________________________  ____________
CAMSIE Fellow (Signature)             Print Name               Date

_________________________________  ___________________________  ____________
CAMSIE Fellow Major Advisor (Signature) Print Name               Date

_________________________________  ___________________________  ____________
CAMSIE Director (Signature)            Print Name               Date
Letter of Understanding
CAMSIE Student Fellowship
2016-2017
Postdoctoral Fellowship Program

The NOAA Center for Atmospheric Sciences and Meteorology (CAMSIE) program goal is to conduct education and research that directly supports NOAA's mission, strategic plan, objectives, and outcomes to recruit, train, and graduate students, particularly from underrepresented minority communities, to become eligible to successfully compete and enter agency mission workforce, academia, and other STEM focused management agencies.

The goal of the CAMSIE postdoctoral fellowship is to support advanced training in NOAA-related sciences.

I accept this support with the understanding of the program and fellowship goals. In accepting a CAMSIE postdoctoral fellowship, I agree to abide by the following rules, regulations, and responsibilities:

1. I understand that I am expected to exhibit the highest level of honesty, academic integrity, and respect toward self and others at all times.

2. I understand that I must be United States citizens to receive program funding.

3. I understand that I must be a recent doctoral graduate -- within two (2) years of graduation to qualify for this program.

4. I understand that my doctoral degree field must support NOAA's mission.

5. I understand that the period of eligibility for the postdoctoral fellow to be supported on award funds in the CAMSIE fellowship program is 24 months within a 26 month period.

6. I understand that my research should be collaborative among other postdoctoral fellows, CAMSIE scientists, and NOAA scientists.

7. I understand that my research must address NOAA-mission science priority areas.

8. I understand that I must be co-located at a NOAA facility for a minimum duration of six (6) consecutive months and not to exceed one (1) year.

9. I understand that I must complete an individual postdoctoral development plan.

10. I understand that my salary will be paid bimonthly starting September 1, 2016 through August 31, 2017.

11. I understand that I must adhere to all computer, data, attribution/acknowledgement, and other CAMSIE resource policies.
12. I understand that I must have an email account on file, which I must check daily. Moreover, I understand that I am responsible for a timely response to all information relayed in these messages.

13. I understand that all requests or grievances related to the CAMSIE program must be in writing to the CAMSIE Director. Any verbal request will be considered unofficial and will not be acted upon until it is followed by a written request.

14. I have read all of the CAMSIE program requirements, and I fully understand my responsibilities as part of this program. I further realize that my fellowship may be terminated at any time without further compensation if the CAMSIE program determines that I am not meeting my responsibilities or have failed to comply with any terms of this Letter of Understanding.

By signing this document, I acknowledge full compliance:

______________________________  _____________________________  ____________
CAMSIE Postdoctoral Fellow (Signature)  Print Name  Date

______________________________
CAMSIE Postdoctoral Fellow Advisor (Signature)  Print Name  Date

______________________________  _____________________________  ____________
CAMSIE Director (Signature)  Print Name  Date
### CAMSIE Fellow Contact Form

**Center for Atmospheric Sciences, Meteorology, Societal Impact, and Environment (CAMSIE)**
Howard University
1840 7th Street, NW, HURB1 #305
Washington, DC 20001

<table>
<thead>
<tr>
<th>CAMSIE Fellow Contact Form</th>
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<tbody>
<tr>
<td><strong>Name:</strong> (Last, First, Middle Initial)</td>
</tr>
<tr>
<td><strong>Current Address:</strong></td>
</tr>
<tr>
<td><strong>Permanent Address:</strong></td>
</tr>
<tr>
<td>*<em>US Citizen</em> **Yes <strong>No</strong></td>
</tr>
<tr>
<td><strong>Home Phone #:</strong></td>
</tr>
<tr>
<td><strong>Date of Birth:</strong></td>
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<tr>
<td><strong>Personal E-mail:</strong></td>
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<tr>
<td><strong>Preferred E-mail: Personal or School</strong></td>
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<tr>
<td><strong>Major:</strong></td>
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<tr>
<td><strong>Research Interest/Topic:</strong></td>
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<tr>
<td><strong>CAMSIE Partner Institution:</strong></td>
</tr>
<tr>
<td><strong>Academic Advisor Name:</strong></td>
</tr>
<tr>
<td><strong>Name of Emergency Contact:</strong></td>
</tr>
<tr>
<td><strong>Relationship:</strong></td>
</tr>
<tr>
<td><strong>Emergency Contact Address:</strong></td>
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<td><strong>Signature:</strong></td>
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</tbody>
</table>

**Ethnicity:**
- **__Black or African American; **American Indian or Alaska Native; **Asian; **Hispanic or Latino**
- **Native Hawaiian or Other Pacific Islander; **White; **None; **Other**


** Identify: Undergraduate or Graduate student and current level (Freshmen, Sophomore, Junior, Senior, Master or PhD student)
CAMSIE Fellow Travel Request Form

Date: ________________________________

Fellow Name: ____________________________  Advisor Name: ________________________________

Conference/Event/Seminar: ________________________________

Dates of Conference/Event/Seminar: ________________________________

Area of Research: ________________________________

<table>
<thead>
<tr>
<th>Advisor Recommendation/Approval:</th>
<th>Date:</th>
<th>Name:</th>
<th>Signature:</th>
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<tbody>
<tr>
<td>Director Approval:</td>
<td>Date:</td>
<td>Name:</td>
<td>Signature:</td>
</tr>
</tbody>
</table>
CAMSIE Fellow Travel Report Form

Summary and Lessons Learned from Travel Activity

Student Name: _______________________________  Advisor Name: _______________________________

Research/Travel Focus Area: __________________ Primary Objective(s): _______________________

Conference / Workshop / Other Travel Activity: _____________________________________________

<table>
<thead>
<tr>
<th>Approval by</th>
<th>Date</th>
<th>Name</th>
<th>Signature</th>
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<tbody>
<tr>
<td>Student</td>
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<tr>
<td>Advisor</td>
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</table>

Lessons learned purpose and objectives

Throughout any project life cycle, lessons are learned and opportunities for improvement are discovered. As part of our desire to continuously improve process, we seek to document lessons learned from each travel activity in order to assess student benefits, to evaluate our investments, to determine the root causes of problems that occurred and to avoid those problems in the future, later project stages or future projects. The data requested below is designed to meet these needs.

The objective of this report is gathering all relevant information for better planning and evaluation of future travel support, improving implementation of student travel, and preventing or minimizing risks for future travel-related activities.

Through this travel report form and associated report, we seek answers to two primary questions.

- What was/were your objective(s) for attending this meeting/activity?
- Were the project goals attained?
# Lessons learned questions

<table>
<thead>
<tr>
<th>Lessons Learned Questions</th>
<th>Success Factors</th>
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<tbody>
<tr>
<td>What were your goals and objectives for travel?</td>
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<tr>
<td>Did you make a presentation? If so, list the type of presentation and title</td>
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<tr>
<td>What was the response to your presentation? Were there questions that you could not answer?</td>
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<tr>
<td>What did you learn through the process?</td>
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<tr>
<td>In which specific sessions or activities did you participate? What was your role in the activity?</td>
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<tr>
<td>Did you attend a significant number of seminars and/or presentations? Approximately how many? Please list these, including primary speaker’s name and title of the talk.</td>
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<tr>
<td>Were the keynote speakers / presentations informative and/or effective? Explain how.</td>
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</tr>
<tr>
<td>How many key professional contacts did you make and who were they? Include name and affiliation of each.</td>
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<tr>
<td>What skills/knowledge did you gain through this travel opportunity? Please explain.</td>
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<tr>
<td>How will this activity impact your educational and life goals?</td>
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</table>
# Conference/Activity

## Highlights

### Top 3 Significant Travel Activity Successes

<table>
<thead>
<tr>
<th>Project Success</th>
<th>Factors That Contributed To Success</th>
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### Travel/Activity Shortcomings and Solutions

- What (if any) circumstances were not anticipated?
- What needs to be done over or differently to correct these?

<table>
<thead>
<tr>
<th>Shortcoming</th>
<th>Recommended Solutions</th>
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## Approvals

Prepared by: ________________________________  
Student Traveler // Date

Received by: ________________________________  
CAMSIE Representative // Date
CAMSIE Fellow Purchase Request Form

Requestor: ________________________________________________________________

Contact Name/Number: ______________________________________________________

Vendor Name: ______________________________________________________________

Vendor Address: __________________________________________________________________

____________________________________________________________________________

Vendor Telephone/Fax: _________________________________________________________

Vendor Email/Web Address: ____________________________________________________

Items to Purchase:

<table>
<thead>
<tr>
<th>Catalog/Item #</th>
<th>Description/Name</th>
<th>Quantity</th>
<th>Price</th>
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Date Needed: ________________________________________________________________

Activity Title (If Known): _____________________________________________________

Brief Description of Activity: _________________________________________________

____________________________________________________________________________

Ship to Address: ______________________________________________________________

____________________________________________________________________________

Advisor Approval: Date: | Name: | Signature:

Director Approval: Date: | Name: | Signature: