Welcome!
Introductions
Presenters

• Prof. Jeffrey Collett, Department Head
  1-8697, jeffrey.collett@colostate.edu

• Sarah Tisdale, Graduate Coordinator
  1-8360, sarah.tisdale@colostate.edu
Pictured from left to right: A.R. Ravishankara, Christine Chiu, Eric Maloney, Emily Fischer, Steve Rutledge, Kristen Rasmussen, Libby Barnes, Jeff Pierce, Dave Randall, Peter Jan Van Leeuwen, Sue van den Heever, Chris Kummerow, Sonia Kreidenweis, Michael Bell, Dave Thompson, Jeff Collett, Scott Denning

Not pictured: Jim Hurrell, Russ Schumacher
<table>
<thead>
<tr>
<th>Last Name</th>
<th>First Name</th>
<th>Degree Sought</th>
<th>Advisor</th>
<th>Previous University</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clayton</td>
<td>Adam</td>
<td>MS</td>
<td>Rutledge/Miller</td>
<td>University of Alabama</td>
<td>Earth Systems Science (Atmospheric Science track)</td>
</tr>
<tr>
<td>DeCaria</td>
<td>Michael</td>
<td>MS</td>
<td>Van Leeuwen</td>
<td>Millersville University of Pennsylvania</td>
<td>Mathematics, Physics</td>
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<tr>
<td>DesRosiers</td>
<td>Alex</td>
<td>MS</td>
<td>Bell</td>
<td>University of Florida</td>
<td>Environmental Engineering</td>
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<tr>
<td>James</td>
<td>Eric</td>
<td>PhD</td>
<td>Schumacher</td>
<td>CSU</td>
<td>Atmospheric Science</td>
</tr>
<tr>
<td>Juncosa Calahorrano</td>
<td>Julieta</td>
<td>MS</td>
<td>Fischer</td>
<td>Universidad San Francisco de Quito</td>
<td>Environmental Engineering</td>
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<tr>
<td>Kedzuf</td>
<td>Nicholas</td>
<td>MS</td>
<td>Chiu</td>
<td>University of Miami</td>
<td>Meteorology, Applied Mathematics</td>
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<td>Koeritzer</td>
<td>Drew</td>
<td>MS</td>
<td>Kummerow</td>
<td>Texas A&amp;M</td>
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<td>Lang</td>
<td>Matthew</td>
<td>MS</td>
<td>Chiu</td>
<td>Penn State</td>
<td>Meteorology and Atmospheric Science</td>
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<td>Murakami</td>
<td>Yasutaka</td>
<td>PhD</td>
<td>Kummerow/van den Heever</td>
<td>University of Tokyo</td>
<td>Earth and Planetary Science</td>
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<tr>
<td>Needham</td>
<td>Michael</td>
<td>MS</td>
<td>Randall</td>
<td>Loyola University of Chicago</td>
<td>Physics</td>
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<tr>
<td>Panasawatwong</td>
<td>Rung</td>
<td>PhD</td>
<td>Bell/Rasmussen</td>
<td>MIT</td>
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<td>Pasillas</td>
<td>Chandra</td>
<td>PhD</td>
<td>Kummerow/Bell</td>
<td>Naval Postgraduate School</td>
<td>Atmospheric Science</td>
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<td>Piersante</td>
<td>Jeremiah</td>
<td>MS</td>
<td>Rasmussen/Schumacher</td>
<td>Hobart &amp; William Smith College</td>
<td>Geoscience and Spanish and Hispanic Studies</td>
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<td>Rocque</td>
<td>Marqi</td>
<td>MS</td>
<td>Rutledge</td>
<td>SUNY, University at Albany</td>
<td>Atmospheric Science</td>
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<td>Sokolowsky</td>
<td>Alex</td>
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<td>van den Heever</td>
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<td>Meteorology and Atmospheric Science</td>
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<tr>
<td>Yook</td>
<td>Shim</td>
<td>PhD</td>
<td>Thompson</td>
<td>Seoul National University</td>
<td>Earth and Environmental Science</td>
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<tr>
<td>Zqicke</td>
<td>Greg</td>
<td>PhD</td>
<td>Collett/Pierce</td>
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<tr>
<td>Name</td>
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<tr>
<td>Darby Nabors</td>
<td>Manager of Business Operations</td>
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<tr>
<td>Heather Packard</td>
<td>Human Resources Manager</td>
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<tr>
<td>Amanda Davey</td>
<td>Front Office Manager, Travel and Purchasing Unit Manager</td>
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<tr>
<td>Jaime Joseph</td>
<td>Travel and Purchasing Coordinator</td>
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<tr>
<td>Torrie Moss</td>
<td>Travel and Purchasing Coordinator</td>
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<tr>
<td>Jayme DeLoss</td>
<td>Information Coordinator, Administrative Assistant</td>
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<tr>
<td>Shannon Irey</td>
<td>Research Project Manager</td>
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<tr>
<td>Annette Foster</td>
<td>Research Project Manager</td>
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<tr>
<td>Samantha Mayhew</td>
<td>Research Project Manager</td>
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<tr>
<td>Jared Pelton</td>
<td>Research Project Manager</td>
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<tr>
<td>Sarah Tisdale</td>
<td>Graduate Advisor, Assistant to Department Head</td>
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</tbody>
</table>

**Department Office Hours: 8:00am – 5:00pm, Monday – Friday**
2018 – 2019 Graduate Student Representatives

- Justin Whitaker
- Minnie Park
- Alex Naegele
- Jhordanne Jones
- Ryan Gonzalez
- Kate O’Dell
Atmospheric Science Colloquium Series 2018/19

https://www.atmos.colostate.edu/colloquia/

The Department and CIRA jointly host weekly colloquia held \textit{Friday mornings} in room 101 (large classroom) of the main building. Refreshments are served at 10:45am in the Weather Lab, with the \textit{presentations} starting at 11:15am.

Upcoming Colloquia

August 24, 2018  \textit{Title to be announced}

Faculty Jamboree

August 31  \textit{Title to be announced}

Gabriel Williams from College of Charleston

Hosted by Wayne Schubert
Department Student Groups

https://www.atmos.colostate.edu/grad-prog/student-organizations/

- AMS Chapter – FORTCAST (FORT Collins Atmospheric Scientists)
- CSU WX Challenge Team
- AAAR – American Association for Aerosol Research
- YSSAR – Young Researcher’s Symposium
- GWIS – Graduate Women in Science
FORT Collins Atmospheric Scientists (FORTCAST)
Northern Colorado Local Chapter of the American Meteorological Society

- Educating Our Community
- Enriching Student Members
- Supporting Northern Colorado
- Mentoring the Next Generation of Scientists

Join us:
fortcast.atmos.colostate.edu
CSU WxChallenge Team

What
• National forecasting competition
• 4 days a week (M-Th) 1 Day Max/Min temperature, wind, QPF

Why
• Get experience with real weather (and possibly research ideas)
• Have an opportunity to take a break from classes
• Win trophies (our team won 9 & came in 2nd place last year)

How
• Look for an email with more details in the coming weeks
AAAR – CSU Student Chapter

- American Association for Aerosol Research
  - You do NOT need to be involved with Aerosol Research to be part of CSU-AAAR

- Advisor: Dr. Jeff Pierce

- Service and Student Group at CSU-Atmos
  - Field Trips
  - Community Service
  - Journal Club
  - Movie Nights

- Email in the next few weeks about our first meeting and upcoming events
REGISTER TO ATTEND YSSAR 2017!
7th Annual Young Scientist Symposium on Atmospheric Research
Co-hosted by AAAR Student Chapter and FORTCAST

WHAT? Conference where graduate students from universities across the Front Range can present recent research and network with other young professionals

WHEN? Friday, October 27 2017, 8am - 4:30pm (All-day event, classes cancelled!)

WHERE? Right here in Atmospheric Science department

WHY?
- Meet peers and potential collaborators from other nearby universities and institutions
- Hear a presentation from a renowned keynote speaker
- Free food! (Breakfast and lunch provided, social hour following the conference)

Deadlines
- Registration (free but required): Monday, October 16 (http://www.atmos.colostate.edu/yssar/registration.html)
- Abstract submissions due Monday, October 2

More information can be found at http://www.atmos.colostate.edu/yssar/ or contact us at csu.yssar@gmail.com

Photos by Elliot Huest (upper left) and Doug Stolz (upper right and lower)
Building a Global Community to Inspire, Support, Recognize, and Empower Women in Science.

CONNECT. Strive to build a powerful international network of women scientists.

LEAD. Mentor the leaders of today so that they can inspire the leaders of tomorrow.

EMPOWER. Empower women scientists to excel in their careers.

Email Xoco.Shinbrot@colostate.edu to be added to our email list!
Today’s Agenda
• Welcome!
• Graduate Program Tab
• About the Department
• Graduate School Philosophy
  – GRA
  – Advisor/Student Relationships
• Curriculum
• Graduate Student Guide
• Registration/Committee/Degree Procedures
• Fees and University Bill
• CSU Health Insurance
• Miscellaneous
• Social Events
• Questionnaire (please turn in today!)
Graduate Program Tab
Website’s Graduate Program Tab

Admission Requirements and Application Process
Courses
Financial Aid
Graduate Student Guide
Housing Information
M.S. Program
Ph.D. Program
M.S. and Ph.D. Defense
M.S. to Ph.D. Transition
New Student Orientation
Preliminary Exam
Residency
Student Organizations
About the Department
A Little Department History

- Founded in 1962 by Dr. Herbert Riehl
- Ph.D. program started in 1964
- ATS main building built in 1967
- Added buildings: ACRC (CloudSat activities); Atmos Chem; ATS West (houses NSF STC, ESMEI)
- CIRA (NOAA Cooperative Institute) founded in 1980
- Nearly 719 M.S. and 3.3.7 PhD graduates
- ATS 50th Anniversary in 2012
Graduate School Philosophy
Philosophy

• Transition to self-learning
• Classes just one part of overall learning environment
• Other opportunities:
  – Weekly colloquia
  – Special seminars (announced by email)
  – Programming resources
    • Spring programming TA
    • Self-guided online
    • ATS 607: Computation Methods for Atmospheric Science
Graduate Research Assistantships

• Financial support to pursue your education
  – Stipend tied to research project; nominally half-time in academic year and 75% time in summer
  – Outside employment discouraged
  – Discuss extenuating circumstances with advisor and Department Head
  – Renewal of GRA contract each year is expected, but not guaranteed (satisfactory progress, good standing in CSU, GPA > 3.0)

• Your research progress, spending time in your office, computer protocols, etc.
  – Discuss work expectations with your advisor

• Leave policies
  – Official leave/holiday policy for GRAs on next page
  – Generally, ATS students take 2 week vacation during the year
  – Discuss leave policies with your advisor
CSU Official Leave Policy for GRAs

Graduate Research Assistants are entitled to specific paid holidays as specified in the University General Catalog calendar. These holidays include:

<table>
<thead>
<tr>
<th>Date</th>
<th>Holiday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, September 3, 2018</td>
<td>Labor Day</td>
</tr>
<tr>
<td>Thursday, November 22 – Friday, November 23, 2018</td>
<td>Thanksgiving Break</td>
</tr>
<tr>
<td>Monday, December 24 – Wednesday, December 26, 2018</td>
<td>Winter Break</td>
</tr>
<tr>
<td>Tuesday, January 1, 2019</td>
<td>New Year Holiday</td>
</tr>
<tr>
<td>Monday, January 21, 2019</td>
<td>Martin Luther King, Jr. Holiday</td>
</tr>
<tr>
<td>Monday, May 27, 2019</td>
<td>Memorial Day</td>
</tr>
<tr>
<td>Thursday, July 4, 2019</td>
<td>Independence Day</td>
</tr>
</tbody>
</table>

There are no paid vacation days, in addition to those above, for GRA’s. Any additional time off or absence from your location of employment must have the explicit permission from the student’s advisor. If a student is making satisfactory progress towards his/her degree objectives, if obligations to the research program permit, and if specific timing does not interfere with timely completion of the degree, it is reasonable to expect that a request for a brief period of absence may be granted. In all cases, this leave beyond the official holidays would be classified as “comp time” and would be made up either prior to or following the leave.
Your Points of Contact

a. Advisor
b. Associate Department Head – Prof. Sue van den Heever
c. Graduate Coordinator – Sarah Tisdale
d. Student Representatives (especially for community and campus resources)
e. Department Head – Prof. Jeff Collett
f. Campus resources (next slide)
CSU Resources for Graduate Students

All of these resources and links can be found at [https://studentaffairs.colostate.edu/resources/current-students/graduate-student-resources/](https://studentaffairs.colostate.edu/resources/current-students/graduate-student-resources/)

- Student Diversity Programs and Services
- Off Campus Life
- Student Legal Services
- The Recreation Center
- CSU Health Network
- Case Management
Professional Development
Professional Development Opportunities

• Professional and scientific conferences – discuss with your advisor
• Fellowships
• Field campaigns – discuss with your advisor
• Young Scientists Symposium (YSSAR – October 26, 2018)
• Signing up for journal releases
• CIRA daily weather briefings at 3:00pm in CIRA’s Weather Lab
  – Contact Kate Musgrave (kate.musgrave@colostate.edu) with additional questions
ATS 693 Responsible Conduct of Research

- Required course for M.S. and Ph.D. programs
- Offered every spring
- 1 credit, discussion based class
- Complete online RCR training first
- Professional development topics (writing cv’s, effective scientific posters and presentations, interview tips)
Online Sexual Harassment Training

• Training **mandatory** for all University employees, including GRAs

• Shortly after your official start date, you will receive information from Workplace Answers ([training@workplaceanswers.com](mailto:training@workplaceanswers.com)) with a unique link, allowing you to access the training module.

• For more information on this policy, please see the Office of Equal Opportunity website: [https://oeo.colostate.edu/sexual-harassment-awareness-training/](https://oeo.colostate.edu/sexual-harassment-awareness-training/)
Haven: Understanding Sexual Assault

- Addresses the critical issues of sexual assault, relationship violence, and stalking
- Training **mandatory** for all new students and must be completed by the end of your first semester
  - Failure to do so will result in a hold on your account for spring 2018 registration
- Once you’ve registered for credits, a link for the training should appear on RAMweb
- For more information, please visit: [http://health.colostate.edu/updated-alcoholedu-and-haven/](http://health.colostate.edu/updated-alcoholedu-and-haven/)
Department Awards

Herbert Riehl Memorial Award

Named in memory of the founder, the department offers the Herbert Riehl Memorial Award annually to a graduate student who submits the best technical manuscript for publication in the referred literature during the previous eighteen month period. The student can be either a current M.S. candidate or in the Ph.D. program for less than one year. Students in the Ph.D. program must have obtained their M.S. from the department.

Alumni Award

The department offers the Alumni Award annually to a senior Ph.D. student for outstanding research. Students become eligible after passing the preliminary exam and submitting at least one paper to the peer-reviewed literature based on their dissertation work.

Dietrich Award

The Dietrich Scholarship is sponsored by Air Resource Specialists, Inc. and named in honor of David Dietrich, retired president of the company. The award recognizes outstanding study and research by an Atmospheric Science graduate student in the area of air quality.
Department Awards continued

Shrake-Culler Award (College of Engineering)

Awarded to recognize outstanding graduate student dedication to higher education.

Sjostrom Family Award

Awarded to students who have a demonstrated research and/or professional interest in improving the quality of life in less industrialized communities.

MAC Travel Award

Supported by the local MAC Foundation, these awards are intended to support graduate student travel to showcase student research findings at atmospheric science conferences and workshops.
Applying for Fellowships

Why apply?

• Helps you organize your own research and develop your skills in proposal writing
• Recognition of excellence in academics and research
• Helps our Department make more resources available to students
• The Department will ensure your total stipend at least matches our regular stipend

How to apply?

• Discuss with your advisor (will need references)
• Department can help (sometimes needs to be submitted as a research proposal through formal channels)
Examples of Available Fellowships

NSF Graduate Research Fellowship (GRFP)
- http://www/nsfgrfp.org/
- Deadline: October 23, 2017 (Geosciences)

NASA Earth and Space Science Fellowship (ESSF)

DOE Computational Science Graduate Fellowship (SGCF)
- http://www.krellinst.org/csgf
- 2018-2019 application will be available late October 2017
- Deadline: expected to be January 2018

DoD National Defense Science and Engineering Graduate Fellowship
- http://ndseg.asee.org/
- Application: 2018 application will open September 2017
  Deadline: expected to be December 2017
Examples of Available Fellowships continued

Hertz Foundation PhD Fellowships
  – http://hertzfoundation.org
  – Deadline: October 27, 2017

Rocky Mountain States Section of the Air & Waste Management Association (RMSS-AWMA)
  – http://www.awma-rmss.org/

Science.gov STEM Graduate Student Fellowships
  – https://stemgradstudents.science.gov/
Travel Grants

There are often opportunities for students to receive assistance to attend a conference. Check the websites for links, and be sure to discuss with your advisor.

**American Meteorological Society**, Annual Meeting, 7-11 January 2017 in Austin, TX; many smaller specialty meetings during the year: [https://www.ametsoc.org/ams/index.cfm/meetings-events/](https://www.ametsoc.org/ams/index.cfm/meetings-events/)

- Link to student travel grants:

- Student must NOT be presenting a paper.

- The grants will cover round-trip air travel (within North America) to the meeting; base hotel charge; and conference registration fee.

**American Geophysical Union**, Annual Meeting, 11-15 December 2017, New Orleans, LA

[https://fallmeeting.agu.org/2017/students/](https://fallmeeting.agu.org/2017/students/)

- A limited number of Student Travel Grants will be awarded for the 2017 Fall Meeting. Application deadline has passed for fall 2017 (August 9) meeting but look out for application for fall 2018 meeting in June 2018!
Curriculum
The Master of Science Degree

The M.S. degree with thesis (Plan A, with thesis) in Atmospheric Science requires 30 credits:

- At least 19 in structured academic classes
  - Must be for credit (no audits accepted)
  - Does not include research, independent study

- Up to 11 credits of research can be included
  - ATS 699, A-V (depending on advisor)
  - Excess research credits earned during the M.S. may be applied toward the Ph.D. degree
  - Of the total 30 credits, 20 must be Department of Atmospheric Science courses (ATS prefix)
Plan A (Thesis Plan)

All M.S. students must complete the following required courses (required courses account for 13 credit hours):

- 601 Atmospheric Dynamics I (2 credits)
- 606 Introduction to Climate (2 credits)
- 620 Thermodynamics and Cloud Physics (2 credits)
- 621 Atmospheric Chemistry (2 credits)
- 622 Atmospheric Radiation (2 credits)
- 693 Responsible Conduct of Research (1 credit)

One of the following:

- 640 Introduction to Synoptic Dynamics (2 credits)
- 641 Introduction to Mesoscale Dynamics (2 credits)

All M.S. students must also complete 6 elective credit hours in structured classes. Electives may include ATS structured class at the 500/600 level. With advisor approval, electives may also include structured 700 level classes and/or structured graduate courses in other departments. Audits are not accepted in fulfillment of M.S. degree requirements.
# List of Course Offerings for First Year M.S. Students
(Entering Fall 2018)

## Fall Semester 2018

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ATS 555</td>
<td>Air Pollution</td>
<td>J. Pierce</td>
<td>3</td>
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<tr>
<td>ATS 601¹</td>
<td>Atmospheric Dynamics I</td>
<td>E. Barnes</td>
<td>2</td>
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<tr>
<td>ATS 620¹</td>
<td>Thermodynamics and Cloud Physics</td>
<td>M. Bell</td>
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<tr>
<td>ATS 621¹</td>
<td>Atmospheric Chemistry</td>
<td>E. Fischer</td>
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<tr>
<td>ATS 652</td>
<td>Atmospheric Remote Sensing</td>
<td>C. Kummerow</td>
<td>2</td>
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<tr>
<td>ATS 681A3</td>
<td>Climate Variability</td>
<td>E. Maloney</td>
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<tr>
<td>ATS 712</td>
<td>Dynamics of Clouds</td>
<td>S. van den Heever</td>
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<tr>
<td>ATS 721</td>
<td>Theoretical Topics in Radiative Transfer</td>
<td>C. Chiu</td>
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<td>ATS 745</td>
<td>Atmospheric General Circulation Modeling</td>
<td>D. Randall</td>
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<tr>
<td>ATS 761</td>
<td>Land-Atmosphere Interactions</td>
<td>S. Denning</td>
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<tr>
<td>ATS 781A1</td>
<td>Aircraft Observations</td>
<td>E. Fischer</td>
<td>3</td>
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</table>

¹M.S. core class
List of Course Offerings for First Year M.S. Students  
(Entering Fall 2018)

### Spring Semester 2019

<table>
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<th>Course</th>
<th>Title</th>
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<th>Credits</th>
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<tr>
<td>ATS 605</td>
<td>Atmospheric Circulations</td>
<td>D. Randall</td>
<td>3</td>
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<tr>
<td>ATS 606</td>
<td>Introduction to Climate</td>
<td>D. Thompson</td>
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<tr>
<td>ATS 607</td>
<td>Computational Methods for Atmospheric Science</td>
<td>J. Pierce</td>
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<tr>
<td>ATS 622</td>
<td>Atmospheric Radiation</td>
<td>C. Chiu</td>
<td>2</td>
</tr>
<tr>
<td>ATS 640</td>
<td>Synoptic Meteorology</td>
<td>K. Rasmussen</td>
<td>2</td>
</tr>
<tr>
<td>ATS 650</td>
<td>Measurement Systems and Theory</td>
<td>M. Bell</td>
<td>2</td>
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<tr>
<td>ATS 655</td>
<td>Objective Analysis in the Atmospheric Sciences</td>
<td>E. Barnes</td>
<td>3</td>
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<tr>
<td>ATS 681A1</td>
<td>Interpreting Satellite Observations</td>
<td>E. Fischer</td>
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<tr>
<td>ATS 693</td>
<td>Responsible Research in Atmospheric Science</td>
<td>S. Kreidenweis</td>
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<tr>
<td>ATS 6XX</td>
<td>Data Assimilation</td>
<td>P. Van Leeuwen</td>
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<td>ATS 742</td>
<td>Tropical Meteorology</td>
<td>E. Maloney</td>
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<td>ATS 780A3</td>
<td>Atmospheric Electricity</td>
<td>S. Rutledge</td>
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<tr>
<td>ATS 7XX</td>
<td>TBD</td>
<td>K. Rasmussen</td>
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1M.S. core class
## Worksheet for M.S. Program

<table>
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<th>Fall 2018</th>
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<td>ATS 699</td>
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<td>ATS 699/ATS 693</td>
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<tr>
<td><strong>Total credits:</strong></td>
<td><strong>(should be 13 credits)</strong></td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall 2019</th>
<th>Credits</th>
<th>Spring 2020</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATS 699</td>
<td>15</td>
<td>ATS 699</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total credits:</strong></td>
<td><strong>15</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **ATS 601 Atmospheric Dynamics I** 2 credits
- **ATS 606 Introduction to Climate** 2 credits
- **ATS 620 Thermodynamics and cloud physics** 2 credits
- **ATS 621 Atmospheric Chemistry** 2 credits
- **ATS 622 Atmospheric Radiation** 2 credits
- **ATS 693 Responsible Conduct of Research** 1 credit
- One of the following:
  - **ATS 640 Intro to Synoptic Meteorology** 2 credits
  - **ATS 641 Intro to Mesoscale Meteorology** 2 credits

**Total credits:** 11 credits

**Total for M.S. degree (minimum):** 30 credits
## M.S. Program: Sample First-Year Curriculum

### Fall Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATS 601¹</td>
<td>Atmospheric Dynamics I</td>
<td>2</td>
</tr>
<tr>
<td>ATS 620¹</td>
<td>Thermodynamics and Cloud Physics</td>
<td>2</td>
</tr>
<tr>
<td>ATS 621¹</td>
<td>Atmospheric Chemistry</td>
<td>2</td>
</tr>
<tr>
<td>ATS 640¹</td>
<td>Synoptic Meteorology</td>
<td>2</td>
</tr>
<tr>
<td>ATS 699</td>
<td>Thesis (use advisor suffix)</td>
<td>7</td>
</tr>
</tbody>
</table>

**TOTAL** 15

---

*BE SURE TO DISCUSS COURSE PLAN WITH YOUR ADVISOR!*
## Spring Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATS 606*</td>
<td>Introduction to Climate</td>
<td>2</td>
</tr>
<tr>
<td>ATS 622</td>
<td>Atmospheric Radiation</td>
<td>2</td>
</tr>
<tr>
<td>ATS 641</td>
<td>Mesoscale Meteorology</td>
<td>2</td>
</tr>
<tr>
<td>ATS 693</td>
<td>Responsible Conduct of Research</td>
<td>1</td>
</tr>
<tr>
<td>ATS 6XX</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>ATS 699 X</td>
<td>Thesis (use advisor suffix)</td>
<td>5</td>
</tr>
</tbody>
</table>

**TOTAL** 15

* Or other elective

**BE SURE TO DISCUSS COURSE PLAN WITH YOUR ADVISOR!**
### Sample Worksheet for M.S. Program

<table>
<thead>
<tr>
<th>Fall 2017</th>
<th>Credits</th>
<th>Spring 2018</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATS 640 Synoptic Meteorology</td>
<td>2</td>
<td>ATS 606 Introduction to Climate</td>
<td>2</td>
</tr>
<tr>
<td>ATS 601 Atmospheric Dynamics I</td>
<td>2</td>
<td>ATS 693 Responsible Conduct in Research</td>
<td>1</td>
</tr>
<tr>
<td>ATS 620 Thermodynamics and Cloud Physics</td>
<td>2</td>
<td>ATS 641 Mesoscale Meteorology</td>
<td>2</td>
</tr>
<tr>
<td>ATS 621 Atmospheric Chemistry</td>
<td>2</td>
<td>ATS 6XX (Elective)</td>
<td>3</td>
</tr>
<tr>
<td>ATS 699 X Thesis (use advisor suffix)</td>
<td>7</td>
<td>ATS 699 X Thesis (use advisor suffix)</td>
<td>7</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall 2018</th>
<th>Credits</th>
<th>Spring 2019</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATS 6XX (Elective)</td>
<td>3</td>
<td>ATS 622 Atmospheric Radiation</td>
<td>2</td>
</tr>
<tr>
<td>ATS 699 X Thesis</td>
<td>12</td>
<td>ATS 699 X Thesis</td>
<td>13</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

ATS 601 Atmospheric Dynamics I 2 credits
ATS 606 Introduction to Climate 2 credits
ATS 620 Thermodynamics and cloud physics 2 credits
ATS 621 Atmospheric Chemistry 2 credits
ATS 622 Atmospheric Radiation 2 credits
ATS 693 Responsible Conduct of Research 1 credit
One of the following:
   ATS 640 Intro to Synoptic Meteorology 2 credits
   ATS 641 Intro to Mesoscale Meteorology 2 credits
Total credits: 13 credits

Elective Credits: ATS 641, ATS 6XX, ATS 6XX 7 credits
Total 699 X 10 credits
Total for M.S. degree (minimum) 30 credits
Elective Courses

The following elective courses are offered on a variable schedule and may be chosen to fulfill the 6 elective credit hours required. *Note: With instructor and advisor permission, M.S. students may take 700 level courses.*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATS 555</td>
<td>Introduction to Air Pollution</td>
<td>3</td>
</tr>
<tr>
<td>ATS 581</td>
<td>Science, Policy, &amp; Mgmt. of Environmental Issues</td>
<td>2</td>
</tr>
<tr>
<td>ATS 560</td>
<td>Air Pollution Measurement</td>
<td>2</td>
</tr>
<tr>
<td>ATS 602</td>
<td>Atmospheric Dynamics II</td>
<td>3</td>
</tr>
<tr>
<td>ATS 604</td>
<td>Atmospheric Modeling</td>
<td>3</td>
</tr>
<tr>
<td>ATS 605</td>
<td>General Circulation of the Atmosphere</td>
<td>3</td>
</tr>
<tr>
<td>ATS 607</td>
<td>Computational Methods in the Atmos. Sci.</td>
<td>3</td>
</tr>
<tr>
<td>ATS 623</td>
<td>Atmospheric Boundary Layer</td>
<td>2</td>
</tr>
<tr>
<td>ATS 631</td>
<td>Introduction to Atmospheric Aerosols</td>
<td>2</td>
</tr>
<tr>
<td>ATS 650</td>
<td>Measurement Systems and Theory</td>
<td>2</td>
</tr>
<tr>
<td>ATS 652</td>
<td>Atmospheric Remote Sensing</td>
<td>2</td>
</tr>
<tr>
<td>ATS 655</td>
<td>Objective Analysis in the Atmospheric Science</td>
<td>2</td>
</tr>
<tr>
<td>ATS 680</td>
<td>Global Nitrogen Cycle</td>
<td>2</td>
</tr>
<tr>
<td>ATS 781</td>
<td>Seminal Papers in Atmospheric and Climate Science</td>
<td>2</td>
</tr>
</tbody>
</table>
The Ph.D. degree requires 72 credits:

• At least two structured academic courses per academic year. Only one may be taken as an audit each year. These courses may be 500, 600, or 700 level.

• Sign up for a total of 15 credits using ATS 799 X to make up balance after classes

What classes should you choose? (consult with your advisor)

• Preparing for the prelim: see list of topics below

• You will choose 2 for your exam

  • Atmospheric Chemistry
  • Atmospheric Dynamics
  • Atmospheric Radiation
  • Boundary Layer Meteorology
  • Climate Dynamics
  • Cloud Aerosol and Gas Measurement*
  • Cloud Dynamics
  • Cloud Physics
  • General Circulation
  • Mesoscale Meteorology
  • Numerical Modeling
  • Physical and Dynamical Climatology
  • Physical Oceanography
  • Radar Meteorology*
  • Remote Sensing*
  • Satellite Meteorology*
  • Surface-Atmosphere Interactions*
  • Synoptic Meteorology
  • Tropical Meteorology.

(*No more than one of the asterisked topics may be selected.)
### Signing up for ATS 6/799 this Fall

<table>
<thead>
<tr>
<th>M.S.</th>
<th>Ph.D.</th>
<th>Course Title</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATS 699 B</td>
<td>ATS 799 B</td>
<td>Land-Atmosphere Interactions</td>
<td>S. Denning</td>
</tr>
<tr>
<td>ATS 699 C</td>
<td>ATS 799 C</td>
<td>Tropical Meteorology</td>
<td>M. Bell</td>
</tr>
<tr>
<td>ATS 699 D</td>
<td>ATS 799 D</td>
<td>Weather Systems</td>
<td>R. Schumacher</td>
</tr>
<tr>
<td>ATS 699 E</td>
<td>ATS 799 E</td>
<td>Remote Sensing</td>
<td>C. Kummerow</td>
</tr>
<tr>
<td>ATS 699 F</td>
<td>ATS 799 F</td>
<td>Ocean-Atmosphere Interactions</td>
<td>E. Maloney</td>
</tr>
<tr>
<td>ATS 699 G</td>
<td>ATS 799 G</td>
<td>General Circulation</td>
<td>D. Randall</td>
</tr>
<tr>
<td>ATS 699 I</td>
<td>ATS 799 I</td>
<td>Atmospheric Chemistry</td>
<td>S. Kreidenweis</td>
</tr>
<tr>
<td>ATS 699 J</td>
<td>ATS 799 J</td>
<td>Aerosol and Cloud Microphysics</td>
<td>J. Pierce</td>
</tr>
<tr>
<td>ATS 699 L</td>
<td>ATS 799 L</td>
<td>Data Assimilation</td>
<td>P.J. Van Leeuwen</td>
</tr>
<tr>
<td>ATS 699 M</td>
<td>ATS 799 M</td>
<td>Mesoscale Meteorology</td>
<td>K. Rasmussen</td>
</tr>
<tr>
<td>ATS 699 O</td>
<td>ATS 799 O</td>
<td>Mesoscale Modeling</td>
<td>S. van den Heever</td>
</tr>
<tr>
<td>ATS 699 P</td>
<td>ATS 799 P</td>
<td>Radiation Theory</td>
<td>C. Chiu</td>
</tr>
<tr>
<td>ATS 699 Q</td>
<td>ATS 799 Q</td>
<td>Radar Meteorology</td>
<td>S. Rutledge</td>
</tr>
<tr>
<td>ATS 699 R</td>
<td>ATS 799 R</td>
<td>Aerosol and Cloud Chemistry</td>
<td>J. Collett</td>
</tr>
<tr>
<td>ATS 699 S</td>
<td>ATS 799 S</td>
<td>Climate Dynamics</td>
<td>D. Thompson</td>
</tr>
<tr>
<td>ATS 699 U</td>
<td>ATS 799 U</td>
<td>Tropospheric Chemistry</td>
<td>E. Fischer</td>
</tr>
<tr>
<td>ATS 699 V</td>
<td>ATS 799 V</td>
<td>Atmospheric Variability</td>
<td>E. Barnes</td>
</tr>
</tbody>
</table>
Audit Grading Form

Student Option Audit Grading forms can be found at:
http://registrar.colostate.edu/academic-resources/audit-satisfactory-grading/

• Students are responsible for filling out their information at the top and the “Instructor Audit Approval Section”. You are also responsible for getting the instructor's signature.

• Once the form is complete, email it to registrarsoffice@colostate.edu

Audit forms must be submitted by Wednesday, September 7 (census)
## Fall 2018 Class Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
</table>
| 0800-0900 | ATS 745 Atmo. General Circulation Modeling  
          Randell 121 ACSW (09:00-10:15) | ATS 761 Local Atmospheric Interactions  
          Denning 121 ACSW (09:00-10:15)      | ATS 721 Cloud Dynamics  
          von der Hoeve 101 ACSW (09:00-10:15) | ATS 801 Atmospheric Dynamics  
          Bowes 101 ACSW (09:00-10:15) | ATS 745 Atmo. General Circulation Modeling  
          Randell 121 ACSW (09:00-10:15) |
| 0900-1000 | ATS 761A1 Aircraft Observations  
          Fischer 101 ACSW   | ATS 781A1 Aircraft Observations  
          Fischer 101 ACSW   | ATS 801 Atmospheric Dynamics  
          Bowes 101 ACSW (09:00-10:15) | ATS 781A1 Aircraft Observations  
          Fischer 101 ACSW   | ATS 761A1 Aircraft Observations  
          Fischer 101 ACSW   |
| 0900-1000 | ATS 821 Atmo. Chemistry  
          Fischer 101 ACSW   | ATS 821 Atmo. Chemistry  
          Fischer 101 ACSW   | ATS 821 Atmo. Chemistry  
          Fischer 101 ACSW   | ATS 821 Atmo. Chemistry  
          Fischer 101 ACSW   | ATS 821 Atmo. Chemistry  
          Fischer 101 ACSW   |
| 1000-1100 | ATS 630 Thermodynamics and Fluid Dynamics  
          Ball 313B ACSW | ATS 630 Thermodynamics and Fluid Dynamics  
          Ball 313B ACSW | ATS 630 Thermodynamics and Fluid Dynamics  
          Ball 313B ACSW | ATS 630 Thermodynamics and Fluid Dynamics  
          Ball 313B ACSW | Colloquium  
          101 ACSW 12:00-12:15pm |
| 1100-1200 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 1200-1300 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 1300-1400 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 1400-1500 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 1500-1600 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 1600-1700 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 1700-1800 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 1800-1900 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 1900-2000 | FACULTY MEETINGS                          | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 2000-2100 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 2100-2200 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 2200-2300 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 2300-0000 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 0000-0100 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 0100-0200 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 0200-0300 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 0300-0400 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |
| 0400-0500 | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      | LUNCH                                      |

ATS 555 Air Pollution  
Pierce  
ENGRG 208 (10:00-11:45)

ATS 535 Introduction to Weather and Climate  
Thompson  
ENGRG 120 (09:00-10:15)

ATS 751 L01 200-440p M, ENGRG 210  
L02 400-640p M, ENGRG 210
Picture Break!
Available online at:
http://www.atmos.colostate.edu/documents/GraduateStudentGuide2017.pdf
Registering for Class
Registration

Registration and Class Schedule is online at:

https://ramweb.colostate.edu

• You must register for your first class by midnight the day before your first day of class to avoid the $50 late registration fee

• The last date you can add or drop a class for the Fall 2018 semester is Wednesday, September 5 (census)
  – Census is always 2 ½ weeks into the semester
Graduate School Procedures
Formation of Graduate Committee: GS 6 Program of Study

- Must be completed before you register for spring 2020 (hold will be placed on student account preventing spring 2019 registration if not submitted
- Start committee member discussion with advisor fall 2019
- List courses taken/plan to take to meet degree requirements
- Declare graduate committee
- GS 6 Form (Program of Study) is completed online through your RAMweb account (ramweb.colostate.edu/)
  - Print form for signature by student advisor, co-advisor if applicable, and department head
- Graduate School will notify the student, the advisor, and the department via e-mail once the GS 6 form has been approved

** Audited classes do not count toward Graduate School degree credit requirements (30 for M.S., 42 additional for Ph.D.)

### Summary of Procedures for the M.S. and Ph.D. Degrees

NOTE: Each semester the Graduate School publishes a schedule of deadlines. Deadlines are available on the Graduate School website. Students should consult this schedule whenever they approach important steps in their careers.

[http://www.graduateschool.colostate.edu/current-students/student-resources/](http://www.graduateschool.colostate.edu/current-students/student-resources/)

<table>
<thead>
<tr>
<th>STEP</th>
<th>DUE DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application for admission (online)</td>
<td>Six months before first registration</td>
</tr>
<tr>
<td>Appointment of advisor</td>
<td>At time of admission</td>
</tr>
<tr>
<td>Selection of graduate committee</td>
<td>Before the time of fourth regular semester registration</td>
</tr>
<tr>
<td>Filing of program of study (GS Form 6)</td>
<td>Before the time of fourth regular semester registration</td>
</tr>
<tr>
<td>Announcement of Preliminary Exam (Ph.D. only)</td>
<td>To Department Office at least two weeks in advance of target date <a href="http://www.atmos.colostate.edu/gradprog/prelim/index.php">http://www.atmos.colostate.edu/gradprog/prelim/index.php</a></td>
</tr>
<tr>
<td>Preliminary examination (Ph.D. only)</td>
<td>Two terms prior to final examination</td>
</tr>
<tr>
<td>Report of preliminary examination (GS Form 16) (Ph.D. only)</td>
<td>To Graduate School within two working days after results are known</td>
</tr>
</tbody>
</table>
### Summary of Procedures for the M.S. and Ph.D. Degrees continued

<table>
<thead>
<tr>
<th>Event</th>
<th>When to Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes in committee (GS Form 9A)</td>
<td>When change is made</td>
</tr>
<tr>
<td>Proposal Assessment Committee Meeting (Ph.D. only)</td>
<td>Typically 6-12 months after the Preliminary Examination</td>
</tr>
<tr>
<td>Application for Graduation (GS Form 25)</td>
<td>Refer to published deadlines from the Graduate School website</td>
</tr>
<tr>
<td>Reapplication for Graduation (online)</td>
<td>Failure to graduate requires Reapplication for Graduation (online) for the next term for which you are applying</td>
</tr>
<tr>
<td>Submit thesis/dissertation to committee</td>
<td>Four weeks prior to final examination</td>
</tr>
<tr>
<td>Announcement of Final Exam</td>
<td>Two weeks prior to final exam notify department head assistant for faculty announcement.</td>
</tr>
<tr>
<td>Report of final examination (GS Form 24)</td>
<td>To Graduate School within two working days after results are known; refer to published deadlines from the Graduate School website</td>
</tr>
<tr>
<td>Submit a signed Thesis/Dissertation Submission Form to the Graduate School prior to submitting the electronic thesis/dissertation</td>
<td>Refer to published deadlines from the Graduate School website. Submit the Survey of Earned Doctorates (Ph.D. only)</td>
</tr>
<tr>
<td>Submit the thesis/dissertation electronically</td>
<td>Refer to published deadlines from the Graduate School website</td>
</tr>
</tbody>
</table>
## Fees 2018-2019 Academic Year

### Fees (student paid, based on 15 credits)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>$170.00</td>
<td>$821.26</td>
<td>$311.25</td>
<td>$25.00</td>
<td>$1,327.51</td>
</tr>
<tr>
<td>Spring</td>
<td>$170.00</td>
<td>$821.26</td>
<td>$311.25</td>
<td>$25.00</td>
<td>$1,327.51</td>
</tr>
</tbody>
</table>

** Fees are paid by the student. Semester totals are due by the 3rd Wednesday of each semester.

### Fellowships

Students with fellowships or other external support sometimes need to pay tuition directly. All of you will receive a spreadsheet with detailed information specific to your awards (your Research Project Manager will contact you to discuss details).

### Tuition

Tuition charges will appear in your student account, but in most cases will be paid from a research or Department account, with payment handled by the Department.
If you are being paid as a GRA, the Department will pay for these

Student pays (note: if you are a GRA registered for 5 or more
credits, Graduate School will cover health insurance)

Department paid charges (should be paid within three weeks of
the start of the semester)

If you have questions regarding your student bill, please see
Heather Packard, office 113E ATS
CSU Health Insurance

All new, full-fee paying resident-instruction graduate students (i.e. all new Atmospheric Science graduate students) will be **required** to enroll in the CSU Student Health Insurance Plan, or to **opt out by demonstrating comparable health insurance coverage**.

- 2017-18 health insurance information is available online at: [http://health.colostate.edu/student-health-insurance/](http://health.colostate.edu/student-health-insurance/)
- If you are a ¼ time (or more) GRA and enrolled in 5+ resident credits, you will receive a contribution covering 100% of the health insurance premiums from Graduate School in the second month of the semester

**Please note that the Graduate School’s 100% contribution is deposited into your student account in September for fall and February for spring and that you are often taxed on this amount. This results in your paycheck being less in these months than others.**

More details can be found at: [http://graduateschool.colostate.edu/financial/assistantships/assistantship-health-contribution/](http://graduateschool.colostate.edu/financial/assistantships/assistantship-health-contribution/)
CSU Health Insurance continued

Your enrollment in the CSU plan will be automatic if you are enrolled in 6+ credits. If you do not wish to purchase CSU insurance, you must request a waiver to cancel the automatic default enrollment.

If you have equivalent coverage from another source, you can submit your request to opt out. If granted, you will not receive the semester health contribution from Graduate School.

The waiver may be accessed at: http://health.colostate.edu/student-health-insurance/waiver-process-domestic-students/

If you plan to request a waiver, please do so early so that your registration is not delayed.

In order for a proposed plan to be considered for the waiver process, it must meet all minimum Colorado State mandated benefits.
Miscellaneous (but Useful)
Department Information
Building Safety Plan

http://www.atmos.colostate.edu/documents/ATSBUILDINGSafetyPlan.pdf

- Provides information on what to do in various types of emergencies that may occur
- Please review for your own safety
- Stay tuned for an active shooter course in the next few months
Email Accounts

As of March 1, 2016, all new Atmospheric graduate students will only have a Microsoft Office 365 email

- This address looks like: firstname.lastname@colostate.edu
- If you prefer to use Gmail, you can set up an @rams.colostate.edu account
- For more information, visit: http://help.mail.colostate.edu/
Department Services and Available Equipment

- ATS Reading Room located in 303B of ATS main
  - Reference materials and seating
  - Also a library in 218 with additional books
  - Reading room and library are self-service; please put books back where you find them
- Keycard access with CSU ID: See Jayme in the main office if problems accessing buildings
- Mailboxes – located in the 113F ATS
  - Except students located in ATS Chem – mailboxes located in Chem building
  - Student mailboxes are grouped by the letter of your last name
  - Please check regularly as they can fill up!
Department Services and Available Equipment continued

• Copy Machine/Scanner – located in mailroom (113F ATS) and department office
  – Need copy code to login and use
  – See Main Office for assistance and to obtain copy code
• Fax Machine
  – See main office for assistance
• Digital video camera can be borrowed from the graduate student representatives
• Storm chasing equipment can be checked out from the graduate student representatives
• Check availability at: https://atmos.colostate.edu/directories/private/stormchasingequipsched.html
Engineering Network Services (ENS)

- Provide support for internet, email, some computing, classroom A/V
- ENS office located in main building, ground floor (107 ATS)
- Equipment check out at: https://www.engr.colostate.edu/ens/tools/borrowequipment/
- Pick equipment up from ENS office (107 ATS)
- Equipment:
  - Laptops (HPS ProBook 640 and Lenovo Thinkpad t530)
  - Laster pointers/presentation controls (3)
  - Kestrels
  - Projectors

Note: You will need to set up an Engineering login with ENS in order to reserve equipment. You can do so at https://www.engr.colostate.edu/newuser/
Foothills Campus Bus Service

- Transfort bus route 33 runs to the Atmos campus
- The first bus departs the CSU Transit Center at 7:15am and will then continue to depart each hour with the last bus at 6:15pm
- Transfort bus services are free to all fee-paying students; you will need your CSU ID to take advantage of this
- **Note:** bus only runs when school is in session; there will be no bus service during holidays and breaks
- For more information on bus stops, times, and route, go to: [http://www.ridetransfort.com/img/site_specific/uploads/33.pdf](http://www.ridetransfort.com/img/site_specific/uploads/33.pdf)
NEW STUDENT WELCOME PICNIC

Thursday, Aug. 30
4:30 p.m.
Spring Canyon Park
(south end of Overland Trail)
North Picnic Shelter #2

Spouses/significant others and children welcome!

- Catered by Qdoba
- Games
- Live music

Please RSVP online by Aug. 23
Questionnaire for Incoming Graduate Students

Please turn in questionnaire to Jayme by the end of today!
Thank you