Tradition and renewal

Tradition holds that for untold generations, Tanana Athabascans used the ridge the Fairbanks campus is built on to pick wild potato, troth yeddha’. It was a meeting place and a place of sustenance, and it is still a place where people work together and find intellectual nourishment.

The University of Alaska Fairbanks is proud of the students here today who have continued this tradition of collaboration and learning. Commencement is a special time for graduates and their families and friends who come to share this momentous occasion. This ceremony represents an ending, a time of reward for academic endeavor successfully completed. In another sense it is truly a commencement, a beginning, for the learning process is an unending one, to which the years of formal schooling are only a prelude.

On May 3, 1917, Alaska Territorial Gov. John Strong signed the bill accepting a land grant from the U.S. government for the creation of a college in Fairbanks. In 2013 we celebrate 96 years of progress in higher education in Alaska.

Along with our graduates, the University of Alaska Fairbanks acknowledges with pride the contributions of those who will receive honorary degrees or a Meritorious Service Award. The university also expresses gratitude to the dedicated faculty and staff who are retiring this year. Each has made a distinct contribution to the quality and reputation of this institution.

In today’s 91st commencement ceremony, more than 500 students will cross the stage to receive a certificate or degree, and overall more than 1,000 graduates will be recognized for their success. Other UAF campuses and learning centers in Bethel, Circle, Dillingham, Kotzebue, Nome and Tok will honor their graduates with separate commencement activities.

We honor you, the Class of 2013, for your achievement today.
Congratulations!

UA President Patrick K. Gamble

Dear Graduate,

Completing your course of study and learning at the University of Alaska Fairbanks is a significant life achievement and an important personal milestone. First, enjoy this day … you’ve earned the celebration. But graduating in higher education is also all about new beginnings. How do you plan to use your education? My wish for you is that you always continue to question and then learn from the answers, grow intellectually, and remember to contribute regularly to your community. Be it here in Alaska or wherever the future might take you, earning your degree from UAF has prepared you well to take on the next chapter in your life. Congratulations and best wishes.

Sincerely,

Patrick Gamble, President
University of Alaska

UAF Chancellor Brian Rogers

Dear Graduate,

Congratulations on your accomplishments! Today you are joining a distinguished group of more than 25,000 University of Alaska Fairbanks alumni. We look forward to your future contributions to your community, state and nation. Whatever your future endeavors may be, I wish you success, happiness and fulfillment.

Celebrate this great accomplishment, now and in the future. You make UAF proud!

Brian Rogers, Chancellor
University of Alaska Fairbanks
# Table of Contents

Order of Events ................................................................. 4 – 5  
Academic Degree Abbreviations ........................................... 6  
Honors Recognition ............................................................ 7  
Certificates, Associate, Baccalaureate and Master's Degrees .............. 8  
  College of Engineering and Mines ........................................ 8  
    Baccalaureate Degrees .................................................. 8  
    Post-Baccalaureate and Graduate Certificates ....................... 10  
    Master's Degrees ...................................................... 10  
  College of Liberal Arts .................................................... 11  
    Baccalaureate Degrees .................................................. 11  
    Master's Degrees ...................................................... 15  
  College of Natural Science and Mathematics .............................. 17  
    Baccalaureate Degrees .................................................. 17  
    Post-Baccalaureate and Graduate Certificates ....................... 18  
    Master's Degrees ...................................................... 18  
  College of Rural and Community Development ............................ 20  
    Certificates ............................................................ 20  
    Associate Degrees .................................................... 24  
    Baccalaureate Degrees .................................................. 31  
    Master's Degrees ...................................................... 32  
  School of Education ....................................................... 32  
    Baccalaureate Degrees .................................................. 32  
    Post-Baccalaureate and Graduate Certificates ....................... 32  
    Master's Degrees ...................................................... 33  
  School of Fisheries and Ocean Sciences .................................. 35  
    Baccalaureate Degrees .................................................. 35  
    Master's Degrees ...................................................... 35  
  School of Management ...................................................... 36  
    Baccalaureate Degrees .................................................. 36  
    Master's Degrees ...................................................... 37  
  School of Natural Resources and Agricultural Sciences .................... 39  
    Baccalaureate Degrees .................................................. 39  
    Master's Degrees ...................................................... 39  
Doctor of Philosophy Degrees ................................................ 40  
Commencement Speaker ...................................................... 55  
Emeriti Recognition .......................................................... 56  
Honorary Degrees ........................................................... 62  
Meritorious Service Award ................................................... 64  
Alaska Flag Song .................................................................. 65  
Academic Traditions .......................................................... 66  

Commencement Exercises: May 12, 2013

Dan Bross and Emily Schwing will read graduates’ names as they cross the stage

**Proceessional**

**Downriver Singers**

**UAF Wind Symphony** *Pomp and Circumstance*

Conductor: Karen Gustafson

**Grand Marshal**

Raymond Barnhardt

**Faculty Parade Marshals**

Courtney Carothers

David Henry

Sue Renes

Amy Cooper

Theresa John

Trent Sutton

Abhijit Dandekar

Galen Johnson

David Valentine

Margaret Darrow

Nicole Mölders

Mingchu Zhang

Dixie Masak Dayo

Christa Mulder

Greg Goering

Britton Niles

**National Anthem**

Emerson Eads, *Class of 2011 & 2013*

**Presiding**

Brian Rogers, *Chancellor, University of Alaska Fairbanks*

**Invocation**

Senior Pastor Jeff Wall, *Friends Community Church*

**Remarks**

Patrick K. Gamble, *President, University of Alaska System*

**Introductions**

Chancellor Rogers

**Address**

Matthew David Emmons, *Class of 2003*

**Conferring of Degrees**

Mari Freitag, Michael Powers and Kirk Wickersham, *Board of Regents, University of Alaska System*; President Gamble; Chancellor Rogers; Susan Henrichs, Provost, and John Eichelberger, *Dean, Graduate School, University of Alaska Fairbanks*

**Introduction of Class Speaker**

Michael Sfraga, *Vice Chancellor for University and Student Advancement, University of Alaska Fairbanks*

**Class Speaker**

Kaare Odegard, *Class of 2013*

**Recognition of Emeriti**

Regent Freitag; President Gamble; Chancellor Rogers; Provost Henrichs

**Conferring of Honorary Degrees**

Regent Wickersham; President Gamble; Chancellor Rogers; Provost Henrichs
Regent Powers; President Gamble; Chancellor Rogers; Provost Henrichs

Jim Dixon, Class of 1990 & 1991

Rebecca File, Class of 2013

ENSEMBLE 64.8 (UAF PERCUSSION GROUP)
Director: Bonnie Whiting Smith

Audience members are kindly requested to remain in their seats until the graduates have completed the recessional. Those seated on the second and third levels may exit the building through the second-floor doors.

Please join us for a reception in the Arthur Buswell Pioneer Room immediately following the ceremony, sponsored by the Fairbanks chapter of the UAF Alumni Association.

Rebeka Tsigonis, College of Engineering and Mines .......... orange and black chevron
Liza Jane Taylor, College of Liberal Arts . . . . fuchsia and white
Rachel DeWilde, College of Natural Science 
and Mathematics .................... golden yellow
Alice Joseph, College of Rural and Community Development .......... light gray and red
Sara Jacobson, School of Education ........ light blue and blue
Anna Deveraux, School of Fisheries 
and Ocean Sciences ............... blue and golden yellow
Chris Piech, School of Management ....... drab and copper
Ayshe Yeager, School of Natural Resources 
and Agricultural Sciences ........ maize and forest green

Patricia Jacobson, Chair, Kodiak
Kirk Wickersham, Vice Chair, Anchorage
Michael Powers, Secretary, Fairbanks
Jyotsna Heckman, Treasurer, Fairbanks
Dale Anderson, Juneau 
Dale Anderson, Juneau 
Mari Freitag, Fairbanks
Timothy C. Brady, Anchorage 
Mary K. Hughes, Anchorage
Fuller A. Cowell, Anchorage 
Gloria O’Neill, Anchorage
Kenneth J. Fisher, Juneau

There are a limited number of personal hearing devices; go to any information table to obtain one.

Photos of individual graduates will be available through Grad Images, www.gradimages.com, 800-261-2576.
Students in the College of Rural and Community Development have their home campuses indicated beside their names. For the most part, degree candidates outside the Fairbanks area will participate in graduation ceremonies at their home campuses.

Confirmation of degrees and honors for the May 2013 degree candidates whose names are listed in this program will be made when final grades are received.

* Denotes summer degree recipient
** Denotes December degree recipient

Red sashes signify graduating Alaska Native and Native American students. Blue sashes signify graduating Community and Technical College students. The red, white and blue honor cords pay tribute to active-duty service members and veterans of the United States Armed Forces. Student-athletes are wearing a blue sash with the Alaska Nanooks logo. International students may be wearing a sash recognizing their home country.

Information presented in this program is accurate as of 9 a.m. May 8, 2013. Every effort has been made to ensure the accuracy of graduates’ names, degrees and other information. We sincerely regret any errors and omissions.

David A. Stech, Professor of Music, Emeritus, provided the carillon music for the commencement events.
Graduation with Honors

Associate and baccalaureate degree students who graduated with honors in August and December 2012 and candidates for graduation in May 2013 wear a gold honor cord. Cumulative grade point averages required for graduating with honors are:

- summa cum laude …… 3.9 or higher with no grades lower than an A-
- magna cum laude …… 3.75 – 3.8
- cum laude …… 3.5 – 3.74

Honors Program

The Honors Program graduation designation indicates completion of this program, which requires exceptional aptitude, academic performance and achievement in a challenging course of study. Honors students must complete 12 or 27 credits in specially designed courses and an honors capstone/senior thesis in their major. Students may also earn honors credits by studying abroad, through thesis credits, contracts, independent study agreements or through state, national or international internships. Graduating Honors Thesis Scholars have earned 12 honors credits and wear a long blue-trimmed and striped gold sash with a single blue and gold honor cord. University Honors Scholars have earned 27 honors credits and wear the same sash with a double blue and gold honor cord.

Golden Key Honor Society

An interdisciplinary organization to recognize and encourage outstanding upper-division students, Golden Key is an international student-run service organization committed to meeting the needs of scholastic achievers. Initiated members wear a gold medallion on a blue and gold ribbon, a gold satin sash with a blue logo, or a blue and gold honor cord.

Student Leadership Honors and Leadership Distinction

Student Leadership Honors recognition is granted to students who have made significant contributions to enhancing the mission of UAF, the surrounding community and the promotion of student life. Students receiving this recognition wear a burgundy honor cord.

Graduation with Leadership Distinction recognition is granted to students who have displayed a commitment of excellence to themselves, UAF and their community as a whole. Students receiving this recognition wear a silver honor cord.

Honor Society of Phi Kappa Phi

The Honor Society of Phi Kappa Phi is open to students in all academic disciplines. PKP promotes the pursuit of excellence and the recognition of outstanding achievement by students and faculty alike. Membership is limited to the top students of each graduating class. Initiated members wear a blue ribbon and a medallion bearing the symbolic seal of the society.

Student Ambassador

Students involved in the Student Ambassador Program have demonstrated outstanding campus leadership and have supported the growth of the university through new-student recruitment and community-service efforts.
The Class of 2013

Certificates, Associate, Baccalaureate and Master’s Degrees

College of Engineering and Mines
Dr. Douglas J. Goering, Dean

Baccalaureate Degrees

Matthew Brian Anctil
B.S., Mechanical Engineering

Alex James Arneson *
B.S., Mechanical Engineering

Beau Z. Berryman
B.S., Computer Science

Wade Collier Boman
cum laude, B.S., Petroleum Engineering. Golden Key Honor Society

Jean Yves Boumbe Boumbe
B.S., Petroleum Engineering

Patrick Stiver Brandon
magna cum laude, B.S., Civil Engineering. Golden Key Honor Society

Robert William Burdick
cum laude, B.S., Civil Engineering

Joseph Lee Campbell **
B.S., Civil Engineering

Russell Clyde Carroll
magna cum laude, B.S., Electrical Engineering: Communications

Matthew Joseph Chacho
B.S., Civil Engineering

Gareth Alan Stoltzfus Chesley
cum laude, B.S., Computer Science

Dustin Caleb Cozby **
B.S., Petroleum Engineering

Chengyu Deng
B.S., Petroleum Engineering

Jeffrey Alan Dolena
B.S., Civil Engineering

Samuel N. Dye
cum laude, B.S., Mechanical Engineering. Golden Key Honor Society

Michael David Elbert
B.S., Electrical Engineering: Power and Control

Dalton Brian Ellingson
B.S., Electrical Engineering: Power and Control

Kyle David Emery **
B.S., Mechanical Engineering

Anastasia A. Filippova
B.S., Mechanical Engineering

Tae Cherie Freeman **
B.S., Civil Engineering

Travis Matthew Gephardt **
B.S., Electrical Engineering: Power and Control

Timothy Lee Grediagin
B.S., Computer Science

Scott Allan Hall
B.S., Mechanical Engineering

Kayla Christine Harrison
B.S., Electrical Engineering: Communications

Robert A. Hartshorn
B.S., Computer Science

Justin Harvey *
B.S., Computer Engineering

Eli Elumpik Holt **
B.S., Mechanical Engineering

David L. Hooper
B.S., Mechanical Engineering

Heather C. Hopkins
cum laude, B.S., Civil Engineering. Golden Key Honor Society

Jian Huang
B.S., Petroleum Engineering
Thomas C. Hughes **  
B.S., Civil Engineering  

Joseph David Hunner  
B.S., Mechanical Engineering. Golden Key Honor Society

Isaac John Jackson *  
B.S., Civil Engineering

Christophe Emile Johnson  
B.S., Mechanical Engineering

Nicholas William Kellie  
B.S., Mechanical Engineering

Nicholas W. Konefal  
B.S., Mechanical Engineering

Tyler S. Kornfield  
B.S., Mechanical Engineering

Ebisso Girma Kurfessa  
B.S., Petroleum Engineering

Jack Amadeus LaSota  
magna cum laude, B.S., Computer Science. University Honors Scholar

Alex Joseph Legrismith  
B.S., Mining Engineering

HongYang Liang *  
B.S., Petroleum Engineering

Qingquan Liu  
B.S., Petroleum Engineering

Yao Lu  
B.S., Petroleum Engineering

Ian Andrew Matteson  
B.S., Mechanical Engineering

Kevin Robert McCarthy  
B.S., Geological Engineering

Samuel Alexander McIntosh  
B.S., Electrical Engineering: Communications

Brent Warren Mello  
B.S., Computer Science

Scott Robert Michel  
B.S., Petroleum Engineering

Shaun M. Milke  
magna cum laude, B.S., Mechanical Engineering: Aerospace Emphasis. University Honors Scholar

Shea P. Murphy  
B.S., Civil Engineering

Christopher Lee Naber **  
B.S., Mining Engineering

William James Neeley  
magna cum laude, B.S., Electrical Engineering: Communications

John Jaro Netardus  
magna cum laude, B.S., Civil Engineering

Benjamin Eric Neubauer  
B.S., Electrical Engineering: Communications

Jillian A. Nicolazzo  
B.S., Geological Engineering

Daniel Scott Ogawa **  
B.S., Geological Engineering

Karl Adolph Ott  
B.S., Computer Science

Levi Donald Overbeck  
cum laude, B.S., Civil Engineering

Andrew William Paxson *  
cum laude, B.S., Mechanical Engineering: Aerospace Emphasis

James Michael Petrilli  
B.S., Petroleum Engineering

Samantha Sarah Porreca  
cum laude, B.S., Mechanical Engineering

Justin Lee Renner *  
cum laude, B.S., Mechanical Engineering

Robert J. Russell **  
B.S., Mechanical Engineering

Najmus Saqib  
summa cum laude, B.S., Mechanical Engineering

Jonathan Michael Sawyer  
B.S., Computer Science

Robert J. Schnell  
B.S., Electrical Engineering: Power and Control

Kevin P. Schriver  
B.S., Mechanical Engineering

Jaqueline Silveira  
B.S., Civil Engineering

Jocelyn Marie Simpson  
B.S., Geological Engineering

Ralph Stanley Sinnok  
B.S., Civil Engineering. Golden Key Honor Society

Caleb Philippe Smith  
B.S., Mechanical Engineering: Aerospace Emphasis

Penne Spuler  
B.S., Geological Engineering

Joseph Michael Stribrny **  
magna cum laude, B.S., Electrical Engineering: Computer Engineering

Joel Peter Teune  
cum laude, B.S., Civil Engineering

Isaac David Thompson *  
B.S., Electrical Engineering: Power and Control

Shanti A. Trainor Ponchione  
B.S., Electrical Engineering: Power and Control

Darell Norman Tweet  
magna cum laude, B.S., Mining Engineering. Golden Key Honor Society

Jesseca Lauren Untiet **  
B.S., Geological Engineering

Daniel F. Updegrove  
magna cum laude, B.S., Mechanical Engineering. Golden Key Honor Society

Matthew P. Van Veldhuizen  
B.S., Computer Science

Jordan D. Vandermeer  
B.S., Civil Engineering

Elizabeth Kealy Vaughan  
B.S., Civil Engineering

Kai Wang  
B.S., Petroleum Engineering

Colin Doyle Webb  
B.S., Mining Engineering

* Summer degree recipient  
** December degree recipient
Justin Hunter White  
B.S., Mining Engineering

Taylor Noelle White **  
B.S., Mining Engineering

Brandon Wilks  
B.S., Electrical Engineering: Communications

Ryan M. Willis **  
B.S., Geological Engineering

Michael Wong  
B.S., Electrical Engineering: Power and Control

Ruonan Wu  
B.S., Petroleum Engineering

Xuanyu Yang  
B.S., Petroleum Engineering

Mingyan Zhang  
B.S., Petroleum Engineering

Post-Baccalaureate and Graduate Certificates

Robert John DeVassie **  
Gr. Cert., Construction Management

Master’s Degrees

Daniel Enam Arku *  
M.S., Mining Engineering. B.E., University of Ghana, 2006.

Tereza Bendlova *  
M.S., Environmental Quality Science. B.S., University of South Alabama, 2010.

Sarah J. Byam **  
M.S., Civil Engineering. B.S., University of Alaska Fairbanks, 2008.

Amanda Gaye Byrd  

Tobey B. Carman *  

Steven Derek Cinelli *  

Karan Bipinkumar Damani *  
M.S., Petroleum Engineering. B.E., Pune University (India), 2009.

Matthew Ryan Dillon **  
M.S., Civil Engineering. B.S., University of Alaska Fairbanks, 2007.

Travis W. Eckhoff **  

Kelsey Hale Elfering *  
M.S., Mechanical Engineering. B.S., University of Alaska Fairbanks, 2011.

Ashish Kishore Fatnani **  
M.S., Petroleum Engineering. B.E., University of Pune (India), 2010.

Thomas Fedderick Gerlach *  
M.S., Mechanical Engineering. B.S., University of Alaska Fairbanks, 2011.

Peter Ogheneyorobwo Ikewun *  
M.S., Petroleum Engineering. B.E., University of Benin (Nigeria), 2006.

Hrishikesh Dilip Joshi *  
M.S., Petroleum Engineering. B.E., Maharashtra Institute of Technology (India), 2007.

Kashyap Prakash Kapadia **  
M.S., Petroleum Engineering. B.E., Pune University (India), 2005.

Mandar Kulkarni **  

Jason E. Kwiatkowski **  
M.C.E., Civil Engineering. B.S., Lehigh University (Pennsylvania), 1999.

Erica Kalkstein Lamb  
M.S., Arctic Hydrology: Interdisciplinary Program. B.S., McGill University (Canada), 2009.

Vahid Nourpour Aghbash  
M.S., Petroleum Engineering. B.S., Petroleum University of Technology (Iran), 2010.

Iman Oraki Kohshour  
M.S., Computer Science. B.T., Kamala Institute of Technology and Science (India), 2002.

Mohammed Zeeshan Mushtaq Ahmed Shaikh  
M.S., Petroleum Engineering. B.E., Institute of Chemical Technology (India), 2009.

Eva Anne Stephani  
M.S., Geomorphological Engineering: Interdisciplinary Program. B.S., Laval University (Canada), 2009.

Lisa M. Stowell  

Timothy E. Theurer *  

Feng Xiao *  
M.S., Civil Engineering. B.C.E., Shenyang Jianzhu University (China), 2010.

Hsin-Hui Yen *  
## Baccalaureate Degrees

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Major/Program</th>
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<tbody>
<tr>
<td>Deirdre Danay Adams</td>
<td>magna cum laude, B.A.</td>
<td>Theatre</td>
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<tr>
<td>Karen L. Adams</td>
<td></td>
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<tr>
<td>Benjamin Lee Adamson</td>
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<td>Jessica Lynn Adlesperger</td>
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<td>Karrie Kay Allen</td>
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<td>Taylor Marie Altenburg</td>
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<td>Teresa Summer Anderson</td>
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<td>Valerie J. Arnold</td>
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<td>Stephanie Lynn Ashcraft</td>
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<td>Daniel Ken Barnes</td>
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<td>Joshua Richard Barry</td>
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<tr>
<td>Leslie T. H. Barton</td>
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<tr>
<td>Mikki Renee Bateman</td>
<td>cum laude, B.A.</td>
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<tr>
<td>Sara Marie Battiest</td>
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<tr>
<td>Frances Delrea Bedel</td>
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<tr>
<td>Tyler John Bergstrom</td>
<td>magna cum laude, B.A.</td>
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<td>Rachel Renee Bifelt</td>
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<td>Hannah Elizabeth Bilafer</td>
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<tr>
<td>Katie Anne Blood</td>
<td>magna cum laude, B.S.</td>
<td>Anthropology. Golden Key Honor Society</td>
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<tr>
<td>Jamie Marie Bourque</td>
<td></td>
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<tr>
<td>Lacey Jane Brewer</td>
<td>magna cum laude, B.S.</td>
<td>Psychology. University Honors Scholar. Golden Key Honor Society. Student Ambassador</td>
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<tr>
<td>Vanessa Denise Bryant</td>
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<td>Lolene Jayne Buck</td>
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<td>Alice Lee Bugni</td>
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<td>Lisa Jeanne Burglin</td>
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<td>Danielle Maria Burke</td>
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<td>Jesse Littleton Bynum</td>
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<tr>
<td>Joseph Francis Byrnes</td>
<td>magna cum laude, B.A.</td>
<td>Political Science</td>
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<tr>
<td>Mary-Clare Angela Cable</td>
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<td>Rebekah Ann Capen</td>
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<td>Megan McClain Carpenter</td>
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<td>Rebecca Ane Carter</td>
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<td>Anthony Eric Centrella</td>
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<tr>
<td>Valerie M. Collins</td>
<td>magna cum laude, B.A.</td>
<td>Foreign Languages: Single Language: German. Golden Key Honor Society</td>
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<td>Rebecca Ann Coolidge</td>
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<td>Elizabeth Tina Coots</td>
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<td>Nicolette Danielle Corbett</td>
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<td>Latoyia Y. Coreano</td>
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<td>Amanda Marie Crawford</td>
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<td>Jeremy Allyn Creamer</td>
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<tr>
<td>Alaina Eileen Ctibor</td>
<td>cum laude, B.A.</td>
<td>Psychology. Golden Key Honor Society</td>
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<tr>
<td>Jennifer Alexandra Dale</td>
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<tr>
<td>Michael Ana Davis</td>
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<tr>
<td>Sarah Ann Degennaro</td>
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</tbody>
</table>

* Summer degree recipient

** December degree recipient

---

College of Liberal Arts

Mr. Todd Sherman, Dean

May 12, 2013 11
Rachael Bettina Del Pozzo  
B.A., Japanese Studies

Steven Anthony Delbalzo **  
B.A., Justice

Leah Rae Denman  
magna cum laude, B.A., Japanese Studies. Golden Key Honor Society

Diana Adell Dillard  
magna cum laude, B.A., Justice. Golden Key Honor Society

Debra Deanna Naqtaq Dommek  
B.A., Inupiaq Eskimo

Imuya Lee Dooley *  
B.A., Music

Julie A. Dorsey  
magna cum laude, B.A., Social Work. Golden Key Honor Society

Jenna Lee Downs-Last **  
magna cum laude, B.A., Psychology

Sacha Marie Dwyer  
cum laude, B.A., Foreign Languages: Single Language: German. Golden Key Honor Society

Shannon Rosemary Eastwood-Koleszar  
B.A., Interdisciplinary Studies: General Studies

Julie Lynn Eberhardt  
B.A., English

Niesha Edwards  
B.A., Justice

William Steven Edwards Jr  
B.A., Foreign Languages: Single Language: Spanish

Jacqueline M. Eisenberg  
magna cum laude, B.A., Social Work

Rachel Andrea Elmer  
cum laude, B.A., English

Emily Jourdan Elterman  
magna cum laude, B.A., Foreign Language; Economics

Kelly Ann Emery **  
B.A., Justice

Samantha Lynne Enters  
B.A., English

Gail K. Evanoff  
cum laude, B.A., Social Work. Golden Key Honor Society

Amy Nicole Ewton  
B.A., Psychology

Franz Josef Felkl  
magna cum laude, B.M., Music: Performance

Chad Daniel File  
B.M., Music: Music Education K-12

Dane L. Filemyr  
magna cum laude, B.A., English. Golden Key Honor Society

Tabitha Ruth Fleming  
magna cum laude, B.A., Japanese Studies

Hannah Rachel Foss  

Mari Boyle Freitag  
B.A., Political Science. Leadership Distinction

Jessica L. Friend  
B.A., Interdisciplinary Studies: General Studies

Kathleen Anne Frost  
magna cum laude, B.A., Social Work

Charles J. Fulbright *  
B.A., Interdisciplinary Studies: General Studies

Amber Brittan Fulkerson  
B.A., Communication

Elizabeth Snyder Galles  
B.A., Psychology

Frank Richard Gamboa Jr  
B.M., Music: Performance

Emely Jo Golombek  
B.A., Psychology

Carly Lavern Gray  
B.A., Psychology

Sarah Diane Gray  
magna cum laude, B.A., Justice. Golden Key Honor Society

Lindsey Marie Grennan *  
B.S., Psychology

Sarah Aline Grover  
B.A., Political Science. Golden Key Honor Society

Lisa A. Guffey  
B.A., Art

Tristan M. Hall  
B.A., Justice

Stephen John Hanik Jr **  
B.A., History; Geography

Brenda Raylene Hannah  
B.A., Leadership, Government and Commerce in the North: Interdisciplinary Program. Leadership Distinction

Evan F. Hannon  
cum laude, B.A., English

Erica Marie Harris  
magna cum laude, B.A., Foreign Languages: Single Language: Spanish; Anthropology

Melinda J. Haugeberg **  
B.A., Foreign Languages: Single Language: Spanish

Meredith C. Hazen  
B.A., Interdisciplinary Studies: General Studies

Heather Lynn Helfrich  
B.A., Social Work

Donald J. Helgeson *  
B.A., Justice

Eric Joseph Henderson **  
cum laude, B.A., Art

Lora Lynn Henderson  
B.A., Psychology

Carrie Teresa Hess  
B.A., Psychology

Justin P. Hibpshman *  
B.S., Interdisciplinary Studies: General Studies

Anna Pettersen Hjelmevoll  
cum laude, B.A., Political Science
Chelsea Rochelle Holt  
magna cum laude, B.A., Political Science

Heather Marie Holt **  
B.A., Political Science

Steffanee Ann Holt  
B.A., Sociology

Sophia Nicole Holton  
B.A., Journalism. Honors Thesis Scholar

Caitlin Mae Hopper **  
B.M., Music: Music Education K-12

Morgan D. Hostina  
cum laude, B.A., Justice

Becky N. Hunter **  
B.A., Psychology

Tadanaga George Inoue  
B.A., Sociology

Cynthia E. Jack  
B.A., Psychology

Tera Lilian Jaeger **  
B.F.A., Art: Metalsmithing

Michelle Elizabeth Jennings **  
B.A., Sociology

John Allen John **  
B.A., Interdisciplinary Studies: General Studies

Glendon Felton Johnson  
B.A., Communication

James Calen Johnson  
B.A., Sociology

Rhiannon Rose Johnson  
magna cum laude, B.A., Foreign Languages: Two Languages

Rhiannon Rose Johnson  
magna cum laude, B.A., Theatre: Design/Technical Theatre

Rebecca Cloud Jones **  
cum laude, B.A., Interdisciplinary Studies: General Studies

Erica Joyce *  
cum laude, B.A., English

Ron James Kavanaugh Jr  
B.A., Justice

Michael Louis Keller  
B.M., Music: Performance. Honors Thesis Scholar

Sean Michael Killeen **  
B.A., History

Elizabeth Cathryn King **  
magna cum laude, B.A., Art

Rauchelle Leigh King **  
B.A., Japanese Studies

Aaron Charles Kinn  
B.S., Anthropology

Ian Jasper Kjera  
cum laude, B.A., Psychology

Stephanie Nicole Knaebel *  
B.A., Interdisciplinary Studies: General Studies

Adrina L. Knutson  
B.A., Film

Trevor Milo Kral  
cum laude, B.A., Communication

Monika Elzbieta Kunat  
B.A., Political Science

Josi Mary Langlie **  
B.A., Art

Rebecca Mignon Langworthy  
B.A., Justice

Misty Tivon Leccese  
B.A., History

Fanta Roshea Lee-Sankoh  
B.A., Social Work

Ian Michael Lendrum  
B.A., Interdisciplinary Studies: General Studies

Nastasia Anna Levi  
B.A., Social Work

Ann Louise Lewis  
magna cum laude, B.A., English

Savannah Faye Lewis  
magna cum laude, B.A., Social Work

Duane Howard Lincoln  
B.A., Social Work

Carrie Ann Lindoff *  
B.A., Art

Matthew Glenn Lloyd  
B.S., Psychology

Casey Allyn Loeschen **  
cum laude, B.A., Art

Amanda Ann Loibl  
B.A., Sociology

Jedediah Marshall Lowell *  
B.A., Interdisciplinary Studies: General Studies

Angela Lynn  
B.S., Anthropology

Sara Nicole Marshall  
B.A., Justice

Jody McKenzie Martin **  
B.A., Psychology

Matthew David Martin  
B.A., Geography

Matthew David Martin  
B.A., Foreign Languages: Single Language: German

Eric Robert Martinsen  
B.A., Justice

Nicholas Matthews  
B.A., Psychology

William L. Maydwell Jr *  
magna cum laude, B.A., Psychology

Erin E. McAulay  
B.A., Japanese Studies. Golden Key Honor Society

William P. McCandless  
B.A., Interdisciplinary Studies: General Studies

Grace Anneliese McCarthy  
B.A., English

Lara Cathleen McGlinchey  
B.F.A., Art: Painting

Matthew W. McGuire **  
B.A., History: Philosophy

Sean Alan Merriman **  
cum laude, B.A., English

* Summer degree recipient
** December degree recipient
Shannon Maureen Mertes  
B.A., Psychology

William Alexander Miller  
B.A., English

Natalia Stacey Moore *  
B.A., Psychology

Madeleine Nicole Morales-Stanley  
B.A., Psychology

Alexandria V. Morris  
cum laude, B.A., Psychology

Detlef Wulf Morrison  
B.A., Psychology

Shaun C. Nesheim  

Zach Christian Ngawaka  
B.A., History

Katrina Marie Nore  
magna cum laude, B.M., Music: Music Education K-12

Florence Mary Nukusuk  
B.A., Social Work

Matthew Allan Nyholm  
B.S., Psychology

Nathanael Teague O’Connor **  
cum laude, B.A., Philosophy. Honors Thesis Scholar

Allison Margaret Oddy  
B.A., Social Work

Kelvin S. Odegard  
B.A., Art

Heather Marie Olson *  
cum laude, B.A., Justice

Monica L. Owens  
B.A., Sociology

Antonio Bernardino Pacheco  
B.A., Journalism: Broadcast Journalism

Ashley Elizabeth Paris  
B.A., History

Stephanie Leigh Parker  
B.A., Journalism: Broadcast Journalism

Clarence A. Pate  
B.A., Interdisciplinary Studies: General Studies

Rose Marie Paz **  
B.A., Justice

Elizabeth J. Pearch **  
B.A., Humanistic Foundations of Western Civilization: Interdisciplinary Program

Kalesha M. Pearson  
B.A., Psychology

Allie Sondra Pelto  
B.A., Anthropology

William Robert Pendleton  
B.A., History; Political Science

James Edward Peters  
B.A., Foreign Languages: Single Language: Spanish

Kari Willow Pile **  
B.A., Sociology

Cory Hamilton Pringle *  
B.T., Interdisciplinary Studies: General Studies

Matthew Charles Putman  
B.A., Journalism: Photojournalism

Nancy Pauline Radtke  
Kuskokwim Campus, B.A., Social Work. Golden Key Honor Society

Briana A. Randazzo  
B.A., Psychology

Margaret Neal Ransdell-Green **  
magna cum laude, B.A., Linguistics

Brenna Jean Redick  
B.A., Interdisciplinary Studies: General Studies

Sarah Faith Richards **  
cum laude, B.A., Journalism: Broadcast Journalism. University Honors Scholar

Brandon L. Ried *  
B.A., Justice

Marit Rjabov  
B.A., Psychology

Angela Catherine Roberts  
B.A., Psychology. Golden Key Honor Society

Krystal Rodriguez **  
B.A., English

Michael Roudebush **  
B.A., Interdisciplinary Studies: General Studies

Mindy Mae Ruehl  
B.A., East Asian Studies: Interdisciplinary Program

Bronwyn A. Saito  
B.A., Journalism: Broadcast Journalism

Katia Victoria Salazar *  
B.A., Justice

Ryan Lee Sanders  
B.A., Philosophy

Larina Marie Santos **  
B.A., Social Work

Wesley E. Schaef  
B.A., Journalism: Photojournalism

Eric W. Schaetzle **  
B.A., Philosophy

Rosemarie Scheuerle  
B.A., Interdisciplinary Studies: General Studies

Laura Beth Schlutt  
B.A., Film

Rebekah Michelle Schmidt  
magna cum laude, B.A., Political Science. University Honors Scholar

Aaron Scott Schmude **  
B.A., Interdisciplinary Studies: General Studies

Sarah Margaret Seifert **  
B.A., Sociology

Megan Denali Sfraga  
magna cum laude, B.A., Linguistics; Foreign Languages: Single Language: Spanish

Donna Lynn Sharp  
B.A., Justice

Jordan Kennedy Shilling *  
B.A., Political Science
Andrew Reed Sierra *
B.A., English

Cameron Wolfe Simmons
B.A., Psychology

Melanie Sue Sindorf **
B.A., Art

Maurice Evans Skinner Jr
B.A., Japanese Studies

Siri Marie Slater
B.A., Psychology

Timothy Everett Smith
B.A., Justice

Adrienne Eilea Smyth
* cum laude, B.A., English

Austin Jacob Somaduroff
magna cum laude, B.A., Music

Shannon R. Sommer
B.A., Social Work

Caleb W. Souder **
B.A., Journalism: Broadcast Journalism

Scott M. Stead
B.A., English

Scott M. Stead
B.A., Japanese Studies

Jenna Elizabeth Steffes **
B.A., Justice

Melissa B. Steward **
B.A., English

Hannah Christy-Rose Stiver
B.A., Art

Stephanie Lee Stowman **
B.A., Theatre: Design/Technical Theatre

Caroline E. Streeter
B.A., Yup’ik Eskimo

Justin David Stuller
B.A., Political Science

Simon Kenton Suchland *
B.A., Philosophy

Jolee Ramona Sudsbury **
B.A., Justice

Shiloh Annarose Sims Swanson **
B.A., Interdisciplinary Studies: General Studies

Andrew Anthony Taranto
B.A., Communication

Katelyn Marie Tasky *
B.A., Art

Rebekah Lynn Telfer
* cum laude, B.S., Psychology

Amber Renee Theurer
B.A., Art

Ariel Marie Thomasson
magna cum laude, B.F.A., Art: Painting, Golden Key Honor Society

Steven Edward Thompson
magna cum laude, B.S., Psychology

Kelley Elizabeth Torres
B.A., History

Crystal Marie Tuck
B.A., Justice

Lindsey Lenette Von Borstel
* cum laude, B.F.A., Art: Computer Art, Student Leadership Honors, Golden Key Honor Society

Lindsey Lenette Von Borstel
* cum laude, B.A., Film, Student Leadership Honors, Golden Key Honor Society

Barbara Jean Wadlinger
B.S., Interdisciplinary Studies: General Studies

Scott Daniel Walker
cum laude, B.A., Psychology, Golden Key Honor Society

Saryn M. S. Walsh **
B.A., Journalism: Photojournalism

Karalee Dawn Watts
B.A., Journalism: Photojournalism

Phelicia Racquel Wazny
B.A., Psychology: Sociology

Kristy Lee Weaver **
B.A., Philosophy

James Lee Webber **
* cum laude, B.A., Justice

Nicole Alexandra Wells **
B.A., English

Timothy D. Wert
B.A., English

John S. Westbrook **
B.A., Philosophy

Kai Birch Whitehill
B.A., History

Trisha Elizabeth Widmayer
B.A., Japanese Studies

Ian James Wilkinson
* cum laude, B.F.A., Art: Ceramics, Golden Key Honor Society

Hayley Renee Williams *
B.A., Interdisciplinary Studies: General Studies

Layne Turner Williams
B.A., English

Dani Grier Wilson **
B.A., Legal Studies: Interdisciplinary Program

Robin Dean Wood
B.A., Journalism: Photojournalism

Brian J. Woster
B.A., Sociology

Jenny Pauline York
B.A., Social Work, Golden Key Honor Society

Chelsey Ann Zibell **
B.A., English; Inupiaq Eskimo

Catharine Daphne Zumbrunnen *
B.A., Justice

** Summer degree recipient
** December degree recipient

Master's Degrees

Kristine Audie-Lee Adams *

Rogelio A. Arenas *
M.A., Anthropology, B.A., Emory University (Georgia), 2005.
Cori Dawn Bender *  

Sarah Betcher  

Kaylee Rose Bonatakas  

Laura Jeanette Crawford *  

Andrew Joseph Dallemolle **  

Daniel Jade Darrow *  

Emerson William Eads  

Megan Grace Ellicott *  

Heather Deanne Fries  

Irmelin Gram-Hanssen *  

Hannah Lee Harrison  

Jody Marie Hassel **  

Allan Jeffrey Hayton  

Christie Anna Hinrichs  

Sarah J. Holsteen  

Jennifer Arnuco Hoppough **  

James Andrew Johnson *  

Elizabeth Ann Kunibe  

Shawn M. Matthews *  

Suzanne McBride **  

John L. Messick  

Jennifer Lauren Moody *  

Mercedes Ochante Caceres  

Greggory M. Olson  

Nicole M. Potter *  

Sally Gabrielle Rafson  

Danielle Mae Bennett Redmond  

Rebecca Lynn Sazama **  

Sarah Marie Smith *  

Nicole Jean Tozzi *  

Elizabeth Adeline Wallace  

George Paul Warner *  

Amy Ruthanne Wellman *  

Michelle Rene White  

Oxana Yashchenko  
# College of Natural Science and Mathematics

*Dr. Paul W. Layer, Dean*

## Baccalaureate Degrees

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Major</th>
<th>Honors</th>
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<tbody>
<tr>
<td>Jonathan E. Aarhus **</td>
<td>B.S., Physics</td>
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<tr>
<td>Caleb E. Aronson</td>
<td>B.S., Geoscience: Geology</td>
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<tr>
<td>Chelsea Eve Arthur</td>
<td>B.S., Mathematics</td>
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<tr>
<td>Morgan L. Bender</td>
<td>magna cum laude, B.S., Biological Sciences</td>
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<td>Katelyn R. Bennett *</td>
<td>B.S., Mathematics</td>
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<td>Mattie Kathleen Bly</td>
<td>B.S., Biological Sciences</td>
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<tr>
<td>Jessica Marie Bodle</td>
<td>B.S., Wildlife Biology</td>
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<tr>
<td>William Joseph Bostwick III</td>
<td>B.A., Biological Sciences</td>
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<td>Colleen Rebecca Bue **</td>
<td>magna cum laude, B.S., Biological Sciences</td>
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<td>Shelby Cavallaro</td>
<td>B.S., Biological Sciences</td>
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<td>Renee Clare Cramer **</td>
<td>B.S., Biological Sciences</td>
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<td>Kristen Rose Dullen</td>
<td>B.S., Biological Sciences</td>
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<tr>
<td>Jerad Paul Flynn</td>
<td>B.S., Geoscience: Geology</td>
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<tr>
<td>Mark Arthur Gilbertson</td>
<td>B.S., Biological Sciences. Golden Key Honor Society</td>
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<tr>
<td>Lynn M. Goddard</td>
<td>cum laude, B.S., Biological Sciences</td>
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<tr>
<td>Anthony A. Haas</td>
<td>B.S., Biological Sciences</td>
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<tr>
<td>Jeremiah E. Harrington</td>
<td>magna cum laude, B.S., Mathematics. University Honors Scholar</td>
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<tr>
<td>Martin Jeffrey Harrington</td>
<td>B.S., Physics. University Honors Scholar. Golden Key Honor Society</td>
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<tr>
<td>Kevin Daniel Haston</td>
<td>B.S., Mathematics</td>
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<td>Caitlin Marie Hawthorne</td>
<td>B.S., Biological Sciences</td>
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<td>Katheryn Suzanne Hayden *</td>
<td>B.S., Biological Sciences</td>
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<td>Sarah Harrison Heinchon **</td>
<td>B.S., Geology</td>
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<td>Kathleen Teresa Hetrick **</td>
<td>B.S., Biological Sciences</td>
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<td>Conner Lawrence Hite</td>
<td>B.S., Geology</td>
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<tr>
<td>Richard A. Hoffman</td>
<td>B.S., Wildlife Biology</td>
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<tr>
<td>Heather C. Hopkins</td>
<td>cum laude, B.S., Biological Sciences. Golden Key Honor Society</td>
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<tr>
<td>Sarah Nell Howenstein</td>
<td>B.S., Wildlife Biology and Conservation</td>
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<tr>
<td>Amelia M. Hunt</td>
<td>B.S., Wildlife Biology and Conservation</td>
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<tr>
<td>Kimberly Lynnette Johnston **</td>
<td>B.S., Biological Sciences</td>
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<td>Erin Lindsey Johnston</td>
<td>B.A., Biological Sciences</td>
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<td>Jennifer Janice Klejka</td>
<td>B.A., Biological Sciences</td>
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<tr>
<td>Sara Marie Klingensmith</td>
<td>cum laude, B.S., Biological Sciences. Golden Key Honor Society</td>
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<tr>
<td>Nicholas W. Konefal</td>
<td>B.S., Biological Sciences</td>
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<tr>
<td>Rebecca Leigh Konieczny</td>
<td>B.S., Biological Sciences</td>
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<tr>
<td>Michael E. LaDouceur **</td>
<td>B.S., Geology</td>
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<tr>
<td>Jeremiah Ronald Lafleur</td>
<td>B.A., Earth Science</td>
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<tr>
<td>Travis Lawrence Lapointe</td>
<td>magna cum laude, B.S., Wildlife Biology and Conservation</td>
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<tr>
<td>Terilyn Koehler Lawson</td>
<td>cum laude, B.S., Chemistry: Biochemistry/Molecular Biology. Golden Key Honor Society</td>
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<tr>
<td>Elizabeth Lofton</td>
<td>B.S., Biological Sciences</td>
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<tr>
<td>Kathleen Marie Mackey *</td>
<td>B.S., Geology</td>
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<tr>
<td>Erin Nicole May *</td>
<td>B.A., Biological Sciences</td>
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<tr>
<td>Kaitlynn Louise Cozzini McKirgan **</td>
<td>cum laude, B.S., Biological Sciences</td>
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<tr>
<td>Sarah Lynn Meierotto</td>
<td>magna cum laude, B.S., Biological Sciences</td>
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<tr>
<td>Devan William Moody</td>
<td>B.S., Biological Sciences</td>
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</tr>
</tbody>
</table>

* Summer degree recipient
** December degree recipient
Edward Robert Motyka III **  
B.S., Wildlife Biology

Samuel John Murphy *  
B.S., Geology

Corwin Kent Nielson **  
cum laude, B.S., Biological Sciences

Meghan A. O’Leary  
B.A., Biological Sciences

Kyoko Okano **  
magna cum laude, B.S., Biological Sciences.  
University Honors Scholar

Corey Allan Oldham  
B.S., Biological Sciences

Margaret Gudny Oliver **  
B.S., Wildlife Biology and Conservation

Gary Gordon Olsen-Saville  
B.A., Biological Sciences

Emily Kay Olsen  
B.S., Chemistry: Forensic Chemistry

Michael Scott Ortego  
B.S., Biological Sciences

Keith W. Oster  
B.S., Wildlife Biology and Conservation

Erin Leigh Ostrowski  
B.S., Biological Sciences

Levi Donald Overbeck  
B.S., Applied Physics.  
Golden Key Honor Society

Meredith Rose Park  
B.S., Biological Sciences

Okkar Pe  
B.A., Physics

Daniel Lee Pfalmer  
B.S., Biological Sciences

Kurt J. Porritt *  
B.S., Geology

Jolene Elizabeth Potter  
B.A., Biological Sciences

Margaret Elizabeth Raughley  
B.S., Physics

Benjamin Lee Alan Renshaw  
B.S., Biological Sciences

Taylor Joseph Ritter  
B.S., Biological Sciences

Olivia Taylor Roberts  
B.S., Geology

Phillip Edward Rosenbaum **  
B.S., Geology

Rachelle B. Ruffner **  
B.S., Wildlife Biology

Errol Ryan Russell  
cum laude, B.S., Mathematics.  
Golden Key Honor Society

Eyal Jonathan Saitet  
magna cum laude, B.S., Chemistry.  
University Honors Scholar

Jenna Celine Schmidt *  
cum laude, B.S., Biological Sciences

Theresia Maria Schnurr **  
magna cum laude, B.S., Chemistry: Biochemistry/Molecular Biology

Simeon K. Schum  
cum laude, B.S., Chemistry

Nathen Lee Shoemarker  
B.S., Biological Sciences

James Micah Simmerman **  
B.S., Chemistry: Biochemistry/Molecular Biology

Melanie Sue Sindorf **  
B.A., Chemistry

Dayna Maria Sinicrope **  
B.S., Biological Sciences

Andrew Robert Slagle  
magna cum laude, B.S., Mathematics

Matthew R. Smith  
B.S., Chemistry

September Rose Sutherland  
cum laude, B.A., Biological Sciences

Hannah M. Tallan  
magna cum laude, B.S., Biological Sciences;  
Psychology.  
Honors Thesis Scholar.  
Golden Key Honor Society

Coleen Gatzlaff Thompson **  
B.S., Chemistry

Rachael Marie Tigner **  
B.S., Biological Sciences

Paul William Tschida  
summa cum laude, B.S., Chemistry: Biochemistry/Molecular Biology.  
Golden Key Honor Society.  
Phi Kappa Phi Honor Society

Galen Seiki Vansant  
B.A., Earth Science

Lander A. Ver Hoef  
summa cum laude, B.S., Mathematics

Benjamin Schaffhauser Walker  
B.S., Biological Sciences

Rebecca Lee Warren  
magna cum laude, B.A., Biological Sciences

Allison Edith Whitaker **  
B.S., Biological Sciences

Jeffrey Robert Williams  
B.S., Wildlife Biology and Conservation

Danielle Renee Woodard  
B.S., Biological Sciences

Post-Baccalaureate and Graduate Certificates

Randy Louis Peterson  
Gr. Cert., Statistics.  
Golden Key Honor Society

Master’s Degrees

Jessica Jeanne Armstrong  
M.S., Biology.  
B.S., University of Alaska Fairbanks, 2006.

Christopher P. Barger  
M.S., Wildlife Biology.  
B.S., University of Alaska Fairbanks, 2005.
Cameron J. Bodily *
M.S., Space Physics. B.S., Utah State University, 2008.

Sophie M. Chowdhury **

Kevin E. Colson

Velva Maria Combs
M.S., Veterinary Neuroscience: Interdisciplinary Program. B.S., University of Alaska Fairbanks, 2008.

Michelle Leigh Deal **

Amy Catherine Denney *
M.S., Physics. B.S., Morehead State University (Kentucky), 2003.

Casey Lynn Denny

Theodore F. Fathauer *

Angelica Lynn Floyd **

Johanna Ruth Herron

Brita K. Irving *

Michael Jaramillo

Keegan Marcus Keplinger **

Neil S. Lehner **

Nicole A. McConnell *
M.S., Biological Sciences. B.S., Michigan State University, 2008.

Chantelle J. McGinness
M.S., Statistics. B.S., Southern Polytechnic State University (Georgia), 2008.

Zachary J. Meyers *

William H. Mitchell *
M.S., Mathematics. B.A., St. Olaf College (Minnesota), 2006.

Stephanie Anne Mrozek *

Jayashree Shanthi Krishna Narayanan *
M.S.E., Software Engineering. B.C.A., Bharathiar University (India), 2003; M.C.A., Bharathiar University (India), 2006.

Megan Tyler Perry *
M.S., Biology. B.S., University of Minnesota - Duluth, 2007.

Zachary Nathaniel Pickett *
M.S., Chemistry. B.S., University of Alaska Fairbanks, 2005.

Andrea Corinna Repetto *

Katherine Elizabeth Schaefer **

Lila Maria Tauzer

Daniel Paul Thompson

Christopher Evan Watson **
M.S., Physics. B.S., University of Memphis (Tennessee), 2007.

Joseph H. Welch *
M.S., Wildlife Biology. B.S., University of Wisconsin - Stevens Point, 2008.

John Juergens Withrow
M.S., Biological Sciences. Golden Key Honor Society. B.S., Western Washington University, 2006.

Yuanyuan Zhao

* Summer degree recipient
** December degree recipient
College of Rural and Community Development
Ms. Bernice M. Joseph, Vice Chancellor

Certificates

Emily Anne Ahern **
Community and Technical College, Cert., Culinary Arts

Emily Anne Ahern **
Community and Technical College, Cert., Baking and Pastry Arts

Pansy Bonnie Alakayak
Interior-Aleutians Campus, Cert., Rural Human Services. Golden Key Honor Society

Abraham Naqtuu Albert
Interior-Aleutians Campus, Cert., Construction Trades Technology

Dawn Mariah Albright
Community and Technical College, Cert., Health Care Reimbursement

Shannon Duewand Winterhawk Allen
Community and Technical College, Cert., Diesel/Heavy Equipment

Joanna Sue Anderson **
Community and Technical College, Cert., Applied Business Management: Office Administration

Megan Marie Anderson
Community and Technical College, Cert., Pre-Nursing Qualifications

Melinda Sue Andon
Community and Technical College, Cert., Safety, Health and Environmental Awareness Technology

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Brittany Ann Lewis  
Community and Technical College, A.A.S.,  
Paralegal Studies

Camille Linn  
Community and Technical College, A.A.S.,  
Dental Hygiene

Lana M. Lofton  
Community and Technical College, A.A.S.,  
Process Technology

Xavier Rowland Lonewolf  
Bristol Bay Campus, A.A.S., Renewable Resources

Laurel H. Lounsbury-Hunt  
Community and Technical College, cum laude,  
A.A.S., Applied Business. Golden Key Honor Society

Stephanie Ann Lucio  
Community and Technical College, A.A.S.,  
Paralegal Studies

Kevin Macz  
Community and Technical College, A.A.S.,  
Culinary Arts

Tracy L. Magill  
Community and Technical College, cum laude,  
A.A.S., Information Technology Specialist: Web Development and Administration

Shanail A. Mangrum  
Community and Technical College, A.A.S.,  
Human Services: Addictions Counseling

Shanekeia A. Mangrum  
Community and Technical College, A.A.S.,  
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Community and Technical College, magna cum laude, A.A.S., Process Technology

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Community and Technical College, A.A.S., Dental Assistant

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Community and Technical College, cum laude,  
A.A.S., Process Technology

Kaitlynn Louise Cozzini McKirgan **  
Community and Technical College, cum laude, A.A.

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Community and Technical College, A.A.S.,  
Applied Business: Entrepreneurship

Kelsey Colleen Meltvedt  
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Community and Technical College, A.A.S.,  
Emergency Services: Municipal Fire Control

Michelle Renee Middleton **  
Community and Technical College, A.A.S.,  
Applied Accounting

Sharlene L. Miles **  
Community and Technical College, A.A.S.,  
Human Services: Addictions Counseling

Jacque Lynn Mills  
Bristol Bay Campus, A.A.S., Applied Accounting

James Michael David Mitchell  
Community and Technical College, A.A.

Crystal Dawn Mokelke **  
Bristol Bay Campus, A.A.S., Community Health

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Community and Technical College, A.A.

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Community and Technical College, A.A.

Lisa Mary Murray **  
Community and Technical College, A.A.S.,  
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Bruce Ryan Nelson **  
Chukchi Campus, A.A.

Timothy Wassillie Nick  
Community and Technical College, A.A.

Katherine Ann Norton  
Community and Technical College, A.A.

Rachel Martha Nukwak-King  
Bristol Bay Campus, A.A.

Michelle Lynnette Nunez  
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Community and Technical College, cum laude,  
A.A.S., Process Technology
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Community and Technical College, magna cum laude, A.A.

Samantha Louise Owens  
Community and Technical College, magna cum laude, A.A., Applied Accounting

Rebecka Lee Paniwozik **  
Interior-Aleutians Campus, summa cum laude, A.S.

Gladys M. Parnell  
Community and Technical College, A.A.

Rosemarie Patterson  
Community and Technical College, A.A.S., Applied Accounting

Heather L. Pearce  
Community and Technical College, A.A.S., Early Childhood Education

Brandy Mae Pedersen  
Community and Technical College, A.A.

Cassidy Hurst Peebles *  
Community and Technical College, A.A.

Trina Maria Peeples *  
Community and Technical College, cum laude, A.A.S., Medical Assistant

Michaella Ann Perez  
Community and Technical College, cum laude, A.A.S., Early Childhood Education

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Community and Technical College, A.A.S., Applied Business

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Community and Technical College, cum laude, A.A.S., Early Childhood Education

Morgan Ciara Phillips **  
Community and Technical College, A.A.S., Process Technology

Andrea Christine Phoenix **  
Community and Technical College, magna cum laude, A.A.S., Applied Accounting

Andrea Christine Phoenix **  
Community and Technical College, magna cum laude, A.A.S., Applied Business: Management

Lizbeth Grace Piazza **  
Community and Technical College, cum laude, A.A.S., Culinary Arts

Kari Willow Pile *  
Community and Technical College, A.A.S., Construction Management

Makala Mercy Plaquet  
Community and Technical College, A.A.

Courtney Cameron Pope  
Community and Technical College, A.A.

Lacey Price  
Community and Technical College, A.A., Applied Accounting

Paula Suzanne Pridemore  
Community and Technical College, A.A.S., Applied Business: Health Care Management

Melissa LaVonne Raimer  
Community and Technical College, A.A.S., Culinary Arts. Golden Key Honor Society

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Community and Technical College, A.A.S., Drafting Technology

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Community and Technical College, magna cum laude, A.A.S., Human Services: Addictions Counseling

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Interior-Aleutians Campus, A.A.S., Applied Business: Applied Management

Sheila Pearl Ring  
Bristol Bay Campus, A.A.S., Early Childhood Education

Josephine Beth Roberts  
Community and Technical College, A.A.S., Process Technology. Golden Key Honor Society

Jennifer Marie Robinette  
Bristol Bay Campus, A.A.

Joshua Adam Robinson **  
Community and Technical College, A.A.S., Emergency Services: Municipal Fire Control

Kaili Beatriz Robson-Gilbert *  
Community and Technical College, A.A.S., Medical Assistant

Alisha Nicole Rogers  
Community and Technical College, A.A.S., Dental Hygiene. Golden Key Honor Society

Anthony Wayne Rogers  
Community and Technical College, A.A.S., Drafting Technology

Alisha Nicole Rojas **  
Community and Technical College, A.A.S., Applied Accounting

Alisha Nicole Rojas **  
Community and Technical College, A.A.S., Applied Business: Management

Amanda Danielle Saastamoinen *  
Community and Technical College, A.A.S., Medical Assistant

Hal D. Salerno  
Community and Technical College, A.A.S., Process Technology

Donald J. Samel **  
Community and Technical College, A.A.S., Apprenticeship Technology

---

* Summer degree recipient  
** December degree recipient
Kayla D. Sanders  
Community and Technical College, cum laude, A.A.S., Applied Business: Management

Krissa Jo Sanders **  
Community and Technical College, A.A.

Michael E. Schwietert **  
Community and Technical College, A.A.S., Applied Business: Marketing

Douglas William Seiffert  
Community and Technical College, A.A.S., Paramedicine

Matthew Ryan Seizys  
Community and Technical College, A.A.S., Emergency Services: Municipal Fire Control

Vivian Maxine Shade  
Bristol Bay Campus, A.A.

Amy Natalia Therese Shaw *  
Community and Technical College, A.A.

Kelly Karlene Shewfelt **  
Community and Technical College, A.A.S., Human Services: Addictions Counseling

Ian Kyle Shortridge  
Community and Technical College, A.A.S., Process Technology

Daniel Nicholas Siemoneit  
Community and Technical College, A.A.S., Paramedicine

Zachary Austin Simmons  
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Community and Technical College, cum laude, A.A.

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Community and Technical College, A.A.S., Emergency Services: Wildland Fire Control

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Community and Technical College, A.A.S., Medical Assistant

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Community and Technical College, A.A.S., Paralegal Studies

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Community and Technical College, A.A.S., Aviation Maintenance

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Community and Technical College, A.A.S., Emergency Services: Emergency Medical Services

Patsy Cano Sperry  
Interior-Aleutians Campus, A.A.S., Early Childhood Education

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Community and Technical College, A.A.S., Early Childhood Education

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Kuskokwim Campus, A.A.S., Community Health

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Community and Technical College, magna cum laude, A.A.S., Process Technology

Stephanie Lynn Thibedeau  
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Community and Technical College, A.A.S., Paralegal Studies

Joseph L. Toffolo  
Community and Technical College, A.A.

Stephanie Valentik  
Community and Technical College, A.A.S., Culinary Arts

Emilie Katherine Valentine  
Community and Technical College, cum laude, A.A.

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Community and Technical College, cum laude, A.A.S., Human Services: Addictions Counseling

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Community and Technical College, A.A.S., Information Technology Specialist: Network and System Administration. Golden Key Honor Society

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Community and Technical College, A.A.S., Information Technology Specialist: Web Development and Administration

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Community and Technical College, A.A.S., Process Technology

Kristi Danielle Weiss  
Community and Technical College, A.A.

Grace Kathryn West  
Community and Technical College, magna cum laude, A.A.S., Applied Business: Management

Kyla F. Westcott **  
Bristol Bay Campus, A.A.S., Community Health

Angela Dawn Wheeler **  
Community and Technical College, A.A.

Kyle Christopher Whittle  
Interior-Aleutians Campus, summa cum laude, A.S., Golden Key Honor Society
Jonathan Franz Widman *
Community and Technical College, A.A.S., Aviation Maintenance

Pamella Sue Wilcox
Interior-Aleutians Campus, A.A.S., Early Childhood Education

Katherine Mary Wilmoth
Community and Technical College, magna cum laude, A.A.S., Applied Business: Management. Golden Key Honor Society

Evan J. Wojtanek
Community and Technical College, cum laude, A.A.S., Process Technology

Samantha Lynn Wolters
Community and Technical College, cum laude, A.A.S., Applied Business: Entrepreneurship

Nicholas James Wood
Community and Technical College, A.A.S., Paramedicine

Stephanie Anne Woodard **
Community and Technical College, A.A.

Lisa Lynn Yancey *
Community and Technical College, A.A.S., Medical Assistant

Andrea Waltraud Zupanc *
Community and Technical College, A.A.S., Medical Assistant

Baccalaureate Degrees

Denise Araceli Benavides
Community and Technical College, B.A., Child Development and Family Studies: Curriculum and Teaching

Harriet C. Brouillette
B.A., Rural Development: Tribal and Local Government Administration

Nicole Sara Bruckner **
B.A., Rural Development: Community Business and Economic Development

Brianna Rashell Cannon *
B.A., Rural Development: Tribal and Local Government Administration

Chandra L. Clack

Tamara L. De Los Santos *
Community and Technical College, magna cum laude, B.A., Child Development and Family Studies: Curriculum and Teaching

Debra Deanna Naqtaq Dommek
B.A., Alaska Native Studies: General

Debra Deanna Naqtaq Dommek
B.A., Inupiaq Eskimo

Lisa Lorraine Ellanna Strickling **
B.A., Rural Development: Tribal and Local Government Administration

Bryan Milton Fritze
B.A., Alaska Native Studies

Kerilee Ivanoff
B.A., Rural Development: Community Business and Economic Development

Tracey Lynn Lammer *
Community and Technical College, B.A., Child Development and Family Studies: Curriculum and Teaching

Niki Nicole Mercado **
B.A., Child Development and Family Studies: Curriculum and Teaching

Theresa Gail Milette **

Russell Nelson
Bristol Bay Campus, B.A., Rural Development: Community Business & Economic Development

Sondra Lee Shaginoff-Stuart **
B.A., Alaska Native Studies: Language

Davina Jasmine Sunkel *
Community and Technical College, B.A., Child Development and Family Studies: Curriculum and Teaching

Melissa J. Tabor
B.A., Rural Development: Rural Health and Human Services Management

Marjorie Linne Tungwenuk Tahbone **
B.A., Alaska Native Studies: General

Chelsea K. Tappen
Community and Technical College, magna cum laude, B.A., Child Development and Family Studies: Curriculum and Teaching. Phi Kappa Phi Honor Society

Alyce Christine Todd
Bristol Bay Campus, B.A., Rural Development: Land, Resources and Environmental Management

Bryan Michael Uher **
Interior-Aleutians Campus, B.A., Rural Development: Community Business and Economic Development

Victoria Le Walton

Marvella Darleen Webster
Community and Technical College, magna cum laude, B.A., Child Development and Family Studies: Curriculum and Teaching

Sherry Ruth Wesner
Community and Technical College, magna cum laude, B.A., Child Development and Family Studies: Curriculum and Teaching. Golden Key Honor Society

Juliana Zacharof-Wagner **
B.A., Rural Development: Community Business and Economic Development

* Summer degree recipient
** December degree recipient
Master’s Degrees

Julie Ann Emslie **

Frances Marion Gage

Hannah B. Loon **

Leslie Freeman Simmons

School of Education
Dr. Allan Morotti, Dean

Baccalaureate Degrees

Megan Ashley DeRuyter
magna cum laude, B.A., Elementary Education

Krystal Duval
B.A., Elementary Education

April Rose Fellman
summa cum laude, B.A., Elementary Education. Phi Kappa Phi Honor Society

Chelsea Loren Freeman
B.A., Elementary Education

Megan C. Gilmore
cum laude, B.A., Elementary Education

Lillian Sisualik Gordon
B.A., Elementary Education

Emily Anne Gray
B.A., Elementary Education

Sally Beth Guzman
B.A., Elementary Education

Jamie R. Hallberg
B.A., Elementary Education

Molly Teresa Hautman
B.A., Elementary Education

Brittany Ann Hayes
cum laude, B.A., Elementary Education

Elisha Joanne Howard
cum laude, B.A., Elementary Education

Samantha Mae Lamphier
B.A., Elementary Education

Emily Rose McCarthy
B.A., Elementary Education

Jessica Rynae McCormick
cum laude, B.A., Elementary Education. Golden Key Honor Society

Amanda Renee Mcklveen
B.A., Elementary Education

Kevin M. Morden
B.A., Elementary Education

Samantha Ann Rogers
B.A., Elementary Education

Kelley R. Ryan
B.A., Elementary Education

Christina Ann Savel
cum laude, B.A., Elementary Education

Thea Elizabeth Sundown
B.A., Elementary Education

Melissa Jewel Wilkinson
magna cum laude, B.A., Elementary Education

Wilfried Gottfried Zibell
B.A., Elementary Education

Post-Baccalaureate and Graduate Certificates

Kenneth Edward Brown **
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure

Scott Aaron Brucker
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure

Erica Dooly Burnham *
Gr. Cert., Teaching Credential-Secondary Education

Laura Cartier
Gr. Cert., Elementary Education

Charles David Caster
Gr. Cert., Elementary Education. Golden Key Honor Society

Gregory Joseph Click
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure

Benjamin Copoulos Cordero
Gr. Cert., Counseling

Yvette M. Curtis **
Gr. Cert., Counseling

Amy E. Deick
Gr. Cert., Teaching Credential-Secondary Education

Gianna Clarece Kignaq Eckenweiler
Gr. Cert., Secondary Education

Colleen Rosamund Fisk *
Gr. Cert., Secondary Education

Ethan S. Gelineau *
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure

Alicia Marie Merrell Hanson *
Gr. Cert., Secondary Education

Amy Elizabeth Hanson **
Gr. Cert., K-12 Art
Darci Ann Hanson  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure  

Karen Leigh Harris  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure  

Matt R. Heaney **  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure  

Brent L. Hostetter *  
Gr. Cert., Secondary Education  

Natali Lee Jones  
Gr. Cert., Counseling  

Patricia A. Keon *  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure  

Jessica Chase King  
Gr. Cert., Secondary Education  

Stephanie Nicole Knaebel  
Gr. Cert., Secondary Education. Phi Kappa Phi Honor Society  

Lisa Marie Kozarik  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure. Golden Key Honor Society  

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Olga Anatolyevna Napolilli  
Gr. Cert., Guidance and Counseling  

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Gr. Cert., Elementary Education  

Kate Quinn  
Gr. Cert., Teaching Credential-Secondary Education  

Rafael Ramirez-Ruiz  
Gr. Cert., Teaching Credential-Secondary Education  

Geoffrey David Randle  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure  

Jacqueline Bouvier Schmidthans **  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure  

Holly Cook Sloan  
Gr. Cert., Elementary Education  

Tyler Elizabeth Sloger  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure  

Bri Nicole Snider *  
Gr. Cert., Secondary Education  

Melodee Anne Sonnenberg **  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure  

Heather Lauren Stump **  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure  

Samantha Elizabeth Ward  
Gr. Cert., Secondary Education  

Isis Aymee Webb **  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure  

Branden James Winebarger  
Gr. Cert., Post-Baccalaureate K-12 Special Education Licensure  

Master’s Degrees  

Katharine F. Adams  

Edward Clarence Alexander  

Denise K. Bates **  

Julie Ann Brown  

Rebecca L. Buckles  

Diana Marie Burbank  

Kara Lynn Candelaria **  

Deona Loraine Chavez **  

Jarrod Joseph Decker **  

Jodi Elizabeth Doster  

Bethany Elizabeth Sweet Essary **  

Peter J. Fiechtl  

Erica Michelle Gage  

Kelly Jeanette Hansen  

Alicia Marie Merrell Hanson **  

Amy Elizabeth Hanson **  

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** December degree recipient
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Judy Wanjiru Harun Muhando  

Seth J. Hawkins  

Kara Nicole Haymond  

Jesse M. Hensel  

Jimie Horath **  

Kelly Lynne Houlton *  

Lauren M. Johnson  

Samantha R. Johnson  

Angela Euphala Jones **  

Annie Marie Krenzer  

Alysa Jean Klistoff Loring  

Veronica Lee Mays  

William Stephen McCulloch **  

Mary Isabel McFetridge **  

Tina Louise Michels-Hansen  

Karaline Mae Naegele  

Stephanie E. Nafpliotis  

Suzanne Kathleen Nolan  

Heather M. Olson **  

Beth M. Ott  

Susan Elaine Comeaux Powell  

Wanda Lee Reams  

Leah Denise Sansone *  

Jacqueline Bouvier Schmidthans  

Karina Elise Selby  

Natasha Skinner  

Christie Dawn Sloan  

Melodee Anne Sonnenberg  

Michelle JoAnn Spillane  

Danika A. Stephens  

Emily E. Stolarski *  

Giselle Mae Stone  

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M.Ed., Special Education. B.A., Mount Union College (Ohio), 2010.

Jodi A. Swanson **  
Petra Marie Uotila *

Anna Maria Uttereyuk

Sarah Wagner

Stephanie Ivette Weter

School of Fisheries and Ocean Sciences
Dr. Michael A. Castellini, Dean

Baccalaureate Degrees

Morgan L. Bender
gamma cum laude, B.S., Fisheries

Michael Bryan Courtney
gamma cum laude, B.S., Fisheries

Mark D. Evans **
B.S., Fisheries

Joshua Isaac Frazier **
B.S., Fisheries

Elizabeth Kandror
B.S., Fisheries

Colton Guy Lipka **
B.S., Fisheries

Deven Renae Lisac
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Patricia Lynn McCall
cum laude, B.S., Fisheries

Teslyn Iva Visscher
gamma cum laude, B.S., Fisheries

Eric Dale Wood
B.S., Fisheries

Master’s Degrees

Parker Thomas Bradley **
M.S., Fisheries. B.S., University of Kentucky, 2008; B.S., University of Montana, 2010.

Justin Monroe Carney

Jesse Mae Coleman **
M.S., Fisheries. B.S., University of Wisconsin - Eau Claire, 2008.

Shelley Sophia Dawn Cotton **

Gretchen L. Geiger **
M.S., Marine Biology. B.S., Elizabethtown College (Pennsylvania), 2009.

Christine Marie Gleason *

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M.S., Seafood Marketing and Business: Interdisciplinary Program. B.S., Ege University (Turkey), 2006; M.S., Ege University (Turkey), 2009.

Michelle K. Gutsch **

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Sean D. Larson **
M.S., Fisheries. B.S., Humboldt State University (California), 2010.

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M.S., Fisheries. B.S., University of Georgia, 2008.

Christopher V. Manhard **

Martin D. Schuster **

Wesley W. Strasburger *
M.S., Fisheries. B.S., University of Alaska Southeast, 2008.

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Marilyn Anne Fox Zaleski *

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School of Management
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Baccalaureate Degrees

Spencer T. Abrams **
B.B.A., Business Administration: Finance

Stephanie Acevedo
B.B.A., Business Administration: Management and Organizations

Danielle DeeAnn Barnett
B.B.A., Accounting

Ganbat Batzorig
* cum laude, B.B.A., Economics

Gavin John Bell
B.B.A., Accounting

Russell Edward Boone Jr
B.B.A., Business Administration: Marketing

Willow R. Bowen *
B.B.A., Business Administration: Management and Organizations

Jeffrey Michael Bue
magna cum laude, B.B.A., Business Administration: Finance. Golden Key Honor Society

Peter A. Burton
B.B.A., Economics

Denise Jean Carlin
B.B.A., Accounting

Cindy L. Castoe **
B.B.A., Accounting

Katherine Coz
B.B.A., Accounting

Elizabeth Karen David
B.B.A., Accounting

Sarah Kathryn Denning
B.B.A., Business Administration: General Business

Elisabeth Helen Downes
B.B.A., Accounting

Chad Allen Gehon
B.B.A., Business Administration: Finance

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magna cum laude, B.B.A., Accounting. Phi Kappa Phi Honor Society

Jarret R. Granberg
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Margaret Ann Hernandez
* cum laude, B.B.A., Accounting

Charles Cambridge Hill
B.B.A., Business Administration: Management and Organizations

Tyler Coleman Hollister **
B.B.A., Business Administration: General Business

David L. Hooper
B.A., Economics

Kyla Marie Hovda
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Sean Alexander Hummel
B.B.A., Business Administration: Finance

Sarah Lynn Keller **
B.B.A., Business Administration: Marketing

Wyn Ellen Kirkendall
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Erik Christian Kornkven
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B.B.A., Business Administration: Management and Organizations

Analeesha Louise Koumal
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B.B.A., Business Administration: Finance

Jarrett Surell Miller
B.B.A., Business Administration: Marketing

James Leroy Mongold
B.B.A., Business Administration: Marketing

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B.A., Economics
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Elizabeth Noel Partlow  
B.B.A., Accounting

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B.B.A., Business Administration: General Business

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B.B.A., Accounting

Crystal Denali Pitney  
B.B.A., Business Administration: General Business

Funglada Pungfeung  
B.B.A., Business Administration: Marketing

Heather Rose Sacora  
B.B.A., Economics

Andrew H. Scott  
B.E.M., Emergency Management. Leadership Distinction

Charles William Slater  
B.T., Information Technology Consultant: Interdisciplinary Program

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Luke James Stephens  
B.B.A., Accounting

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B.B.A., Accounting

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B.B.A., Business Administration: Management and Organizations

Caleb Michael Thompson  
B.A., Economics

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B.A., Information Technology Management: Interdisciplinary Program

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B.B.A., Business Administration: Management and Organizations

Luz Teresa Vaquera  
B.B.A., Accounting: Business Administration: Finance. Golden Key Honor Society

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B.B.A., Accounting: Business Administration: Management and Organizations

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Kathryn Leann Wolfe*  
B.A., Economics

Kathryn Leann Wolfe*  
B.B.A., Economics

Alexandra Raeann Wood  
cum laude, B.B.A., Accounting

Nikolas A. Yaremchuk  
B.B.A., Business Administration: Management

Paul Donald Young Jr  
B.E.M., Emergency Management. Leadership Distinction

Master’s Degrees

Kristine Narita Becwar **  

Edwin Ryne Bifelt  

Maureen Kemunto Bosire  

Trisha Dawn Buchwald **  

Cassandra N. Cerny  

Zhijin Chen **  

Inna Conner  

Yanfang Deng *  

Robin Lillian Echols  

Saleem Saleh El-Arami *  

Darla Kaye Gillen  

Anton Gorodniuk  

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** December degree recipient

May 12, 2013 37
Jamie K. Hansen  
M.S., Resource and Applied Economics.  
B.A., Earlham College (Indiana), 2003; M.A.,  
Georgetown University (District of Columbia), 2007.

Adam Jared Henderson  
M.B.A., Business Administration: Capital  
Markets. B.B.A., University of Alaska Fairbanks,  
2012.

Claire E. Hoffman  
M.B.A., Business Administration: General  
Management. B.S., Washington State University,  
2005.

Shana Michelle Ingebrigtsen  
M.B.A., Business Administration: General  
Management. B.B.A., University of Alaska  

Kyle Harrison Jones  
M.B.A., Business Administration: Capital  
Markets. Phi Kappa Phi Honor Society. B.S.,  
Oklahoma State University - Stillwater, 2009.

Lyazzat Zhanabileva Khamzina  
M.B.A., Business Administration: General  
Management. B.S., University of Alaska  
Fairbanks, 2011.

Patryce D. McKinney  
M.B.A., Business Administration: General  
Management. B.A., University of Alaska  

Temuujin Munkhiargal  
M.B.A., Business Administration: General  
Management. B.B.A., National University of  
Mongolia School of Economics, 2007.

Hans Phillip Odegard  
M.B.A., Business Administration: General  
Management. Golden Key Honor Society. B.B.A.,  
University of Alaska Fairbanks, 2011.

Lawana Jean Pacheco  
M.B.A., Business Administration: Capital  
Markets. Golden Key Honor Society. B.B.A.,  
University of Alaska Fairbanks, 2012.

David Pelunis-Messier **  
M.B.A., Business Administration: General  
Management. B.S., Cornell University (New York),  
2008.

Natasa Raskovic  
M.B.A., Business Administration: Capital  
Markets. B.S., University of Alaska Fairbanks,  
2011.

Sierra Sadler **  
M.B.A., Business Administration: Capital  
Markets. B.B.A., University of San Diego  
(California), 2011.

Carrie Lee Santoro  
M.S., Resource and Applied Economics. B.A.,  
Point Loma Nazarene University (California),  
1981.

Karl Weston Schulz  
M.B.A., Business Administration: General  
Management. B.A., Seattle University  
(Washington), 2009.

Maryalice Grace Short  
M.B.A., Business Administration: General  
Management. B.B.A., American InterContinental  
University (Illinois), 2005.

Jescia Raenelle Sigh **  
M.B.A., Business Administration: General  
Management. B.B.A., University of Alaska  

Sean Oliver Sigh **  
M.B.A., Business Administration: General  
Management. B.B.A., University of Alaska  
Fairbanks, 2011.

Juella T. Sparks  
M.B.A., Business Administration: General  
Management. B.B.A., University of Alaska  

Zachary Carl Woodbury  
M.S., Resource and Applied Economics. B.A.,  
University of Nevada, Reno, 2009.

Hanna Lynn Zerr  
M.B.A., Business Administration: General  
# School of Natural Resources and Agricultural Sciences

*Dr. Stephen D. Sparrow, Interim Dean*

## Baccalaureate Degrees

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree/Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christine E. Butcher</td>
<td>B.S., Geography</td>
</tr>
<tr>
<td>Mitchell Emerson Chandler</td>
<td>B.S., Natural Resources Management: Plant, Animal &amp; Soil Sciences</td>
</tr>
<tr>
<td>Erika Edgar</td>
<td>B.S., Geography: Environmental Studies</td>
</tr>
<tr>
<td>Bryan M. Hamey **</td>
<td>B.A., Geography</td>
</tr>
<tr>
<td>Nathan Jeffery Heeringa</td>
<td>B.S., Natural Resources Management: High Latitude Agriculture</td>
</tr>
<tr>
<td>Ryan David Jess **</td>
<td><em>cum laude</em>, B.S., Natural Resources Management: Resources</td>
</tr>
<tr>
<td>Shannon Rae Pearce</td>
<td>B.S., Natural Resources Management: Plant, Animal &amp; Soil Sciences</td>
</tr>
<tr>
<td>Curt Wayne Puffer</td>
<td>B.A., Geography</td>
</tr>
<tr>
<td>Blaine Sisson</td>
<td>B.S., Geography: Landscape Analysis and Climate Change Studies</td>
</tr>
<tr>
<td>Justin Thomas Smith **</td>
<td>B.A., Geography</td>
</tr>
<tr>
<td>Eric J. Straley **</td>
<td>B.A., Geography</td>
</tr>
<tr>
<td>Jason Mark Theis</td>
<td>B.S., Geography: Geographic Information Science and Technology</td>
</tr>
<tr>
<td>Teslyn Iva Visscher</td>
<td><em>magna cum laude</em>, B.S., Natural Resources Management</td>
</tr>
<tr>
<td>Nicole D. Wells</td>
<td><em>cum laude</em>, B.S., Natural Resources Management: Plant, Animal &amp; Soil Sciences</td>
</tr>
<tr>
<td>Kai Birch Whitehill **</td>
<td>B.A., Geography</td>
</tr>
<tr>
<td>Cassie Malia Wohlgemuth **</td>
<td>B.S., Natural Resources Management: Forestry</td>
</tr>
<tr>
<td>Cherish Yuke *</td>
<td>B.S., Natural Resources Management: High Latitude Agriculture</td>
</tr>
</tbody>
</table>

## Master’s Degrees

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree/Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michelle Lynn St Martin **</td>
<td>M.S., Natural Resources Management. B.S., Lake Superior State University (Michigan), 2004.</td>
</tr>
</tbody>
</table>

* * Summer degree recipient
** December degree recipient

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* May 12, 2013 39
The Class of 2013

Doctor of Philosophy Degrees

College of Engineering and Mines
Dr. Douglas J. Goering, Dean

Abhijit Chatterjee **

Ph.D.  Engineering: Environmental Engineering
B.S., Calcutta University (India), 2000; M.T., Jadavpur University (India), 2004.
Thesis: Modeling Biosorption of Cadmium, Zinc, and Lead onto Native and Immobilized Citrus Peels in Batch and Fixed Bed Reactors
Biosorption by citrus peels removed cadmium, lead and zinc in batch and fixed bed reactors. The investigation included competition by other metals and calcium, treatment of mining effluent, alginate-immobilization of peels, acidic desorption of saturated column, and modeling breakthrough curves considering external film diffusion, intra-particle mass transfer and/or surface reaction.
Major Professor: Dr. Silke Schiewer

Yanhong Gu *

Ph.D.  Engineering: Mechanical
B.E., Luoyang Institute of Technology (China), 1999; M.E., China University of Geosciences, 2002.
Thesis: Corrosion Behavior and Residual Stress of Microarc Oxidation Coated AZ31 Magnesium Alloy for Biomedical Applications
Microarc oxidation coatings were produced on magnesium alloys under varying pulse frequency, applied voltage, oxidation time and electrolyte concentrations. The effects of the above four control parameters on residual stresses and corrosion behavior were analyzed. Predictive models of residual stresses, corrosion rates and corrosion mechanism were proposed.
Major Professor: Dr. Sukumar Bandopadhyay
Christopher Raye Hecker *

Ph.D.  Computer Security: Interdisciplinary Program
Thesis: A Methodology for Intelligent Honeypot Deployment and Active Engagement of Attackers
This research effort provides a methodology to dynamically generate context-appropriate honeynets. The honeynet conforms to the target environment using passive or increasing degrees of active scanning. The gathered information aids the administrator in creating a network topology and understanding the flux of devices in the network.

Major Professors: Dr. Kara Nance and Dr. Brian Hay

Eunkyoung Hong *

Ph.D.  Climate Change Policy and Assessment: Interdisciplinary Program
B.Ag., Seoul Women’s University (South Korea), 2000; M.C.P., Seoul National University (South Korea), 2003; M.S., Royal Institute of Technology (Sweden), 2007.
Thesis: Permafrost Settlement Caused by Climate Warming in Alaska and the Estimation of Its Damage Costs for Public Infrastructure
The Permafrost Settlement Hazard Index in Alaska was developed. Costs of damage to public infrastructure in Alaska caused by permafrost settlement related to climate warming were estimated and some alternative construction methods were reviewed as adaptation methods with a focus on cost effectiveness in order to decrease damage costs.

Major Professor: Dr. Sarah Trainor

Daisy Huang

Ph.D.  Mechanical Engineering and Applied Physics: Interdisciplinary Program
B.S., University of California-Berkeley, 1999; M.S., Santa Clara University (California), 2005.
Thesis: Size Effects in Mesoscale Mechanical Testing of Snow
Natural snow was collected, studied, and analyzed as a geotechnical material. Indentation, unconfined compression, and cone penetration tests were executed on different size scales, and size effects were observed.

Major Professor: Dr. Jonah Lee

College of Liberal Arts
Mr. Todd Sherman, Dean

Rachel Gianni Abbott

Ph.D.  Scandinavian Studies: Interdisciplinary Program
From 1850 – 1920, over 25,000 Scandinavians immigrated to Utah to join fellow Mormons. This dissertation examines the immigrants’ material culture and reveals that rather than jettisoning homeland heritage (as previous studies concluded), Scandinavian immigrants maintained and modified traditional folkways, skills, and crafts while comingling them with new cultural traditions.

Major Professor: Dr. Mary Ehrlander
Alisha Susana Drabek **

**Ph.D. Indigenous Studies**


**Thesis: Liitukut Sugpiat'stun (We Are Learning How To Be Real People):**

Exploring Kodiak Alutiiq Literature Through Core Values

The decline of Kodiak Alutiiq oral traditions and a limited awareness or understanding of archived stories has kept them from being used in schools. This study catalogs an anthology of Alutiiq literature and provides an historical and values-based analysis of the educational significance of stories as tools for well-being.

**Major Professor: Dr. Raymond Barnhardt**

Keri M. Eggleston

**Ph.D. Linguistics/Alaska Languages: Interdisciplinary Program**


**Thesis: 575 Tlingit Verbs: A Study of Tlingit Verb Paradigms**

Tlingit is a highly endangered and grammatically complex language indigenous to Southeast Alaska. The conjugation of verbs is not predictable in certain respects. This research documents complete paradigms for 575 Tlingit verbs and presents the associated grammar in a manner intelligible to both second language learners and linguists.

**Major Professor: Dr. Gary Holton**

Erin L. Johnson *

**Ph.D. Clinical-Community Psychology**

B.A., University of Alaska Anchorage, 2005; M.S., University of Alaska Anchorage, 2009.

**Thesis: Secondary Trauma in Mental Healthcare Providers in Alaska**

Mental healthcare providers in Alaska were surveyed regarding their levels of secondary trauma and potential associated factors. Approximately 20 percent of the respondents met criteria for posttraumatic stress disorder resulting from their work. Several professional and personal variables were found to be at risk for protective factors for experiencing secondary trauma.

**Major Professor: Dr. Claudia Lampman**

Larry S. LeDoux *

**Ph.D. Digital Leadership in Cross-Cultural Learning: Interdisciplinary Program**


**Thesis: Polishing the Mirror: A Multiple Methods Study of the Relationship Between Teaching Style and the Application of Technology in Alaska’s Rural One-to-One Digital Classrooms**

The effective use of digital learning tools is key to reforms that support Alaska Native and 21st century learner outcomes. A small, positive correlation between beliefs and the application of digital learning tools among teachers in Alaska’s one-to-one laptop classrooms evidenced strong philosophical, professional and operational barriers that oppose systemic change.

**Major Professor: Dr. John Monahan**
Pamela Jo Lloyd *

**Ph.D.** *Leadership in the Digital Age: Interdisciplinary Program*

Thesis: *Digital Dead Ends Along Alaska's Information Highway: Broadband Access for Students and Teachers in Alaska's High School One-to-One Laptop Programs*

The role of broadband availability was explored to investigate the differences in personal and classroom levels of technology adoption for teachers and students in one-to-one laptop environments, and to provide a snapshot of the social inequalities in rural communities that further exacerbate the impact of the digital divide on student learning.

Major Professor: Dr. John Monahan

Elizabeth K. Marino **

**Ph.D.** *Anthropology*

Thesis: *Losing Ground: An Ethnography of Vulnerability and Climate Change in Shishmaref, Alaska*

This dissertation is an ethnography of vulnerability in Shishmaref, Alaska. It traces the complex historical, social, cultural and environmental factors that contribute to flooding disasters in the village. As climatic changes affect the Arctic, ecological shift adds additional pressure to rural communities. This dissertation traces the construction of vulnerability across time.

Major Professor: Dr. Peter Schweitzer

Holly Jean McKinney

**Ph.D.** *Anthropology*

Thesis: *Taphonomic Analysis of Fish Remains from the Mink Island Site (XMK-030): Implications for Zooarchaeological and Stable Isotopic Research*

Zooarchaeological and stable isotopic methods are used to assess biostratinomic and diagenic agent effects on archaeologically deposited fish bones. The results are used to validate the Modified Bell stable isotope pretreatment method, establish stable isotope sample selection guidelines, and explore millennial-scale interactions among humans and fishes at Mink Island.

Major Professors: Dr. Ben Potter and Dr. Diane Hanson

Mark Standley *

**Ph.D.** *Digital Learning Leadership: Interdisciplinary Program*
B.A., Southwest Texas State University, 1976; M.S., University of Oregon, 1993.

Thesis: *Kids Getting Away with Learning: Student Perceptions of Learning in One-To-One Laptop Programs*

This research explored student perceptions of learning in one-to-one laptop programs using grounded theory methods in focus groups in rural Alaskan high schools. The new literacies students develop were reflected in their perceptions and challenge researchers to re-examine learning theory in light of the nature of digital learning.

Major Professor: Dr. John Monahan

* Summer degree recipient  ** December degree recipient
Amy Louise Vinlove *

Ph.D.  Education Policy and Reform: Interdisciplinary Program
Thesis: Learning to Teach Where You Are: Preparation for Context-Responsive Teaching in Alaska’s Teacher Certification Programs
The research completed for this project examined current practices relative to preparing context-responsive teachers in Alaska’s elementary and secondary teacher certification programs. Context-responsive teaching was defined in this project as teaching that responds to individual student needs and interests, linguistic backgrounds, family characteristics, the local community and the natural environment.
Major Professor: Dr. Jean Richey

Robert E. Whicker *

Ph.D.  Transformational Leadership in Technology: Interdisciplinary Program
Thesis: Framing Complexity: Teachers and Students Use of Technology in Alaska One-to-One Laptop Learning Environments
Evaluation through descriptive and predictive analysis of surveys by Alaska high school teachers and students in one-to-one laptop programs established levels of adoption in personal use, teachers’ professional practice, and use in school. Teacher concerns about practice and implementation factors of the laptop programs were also examined.
Major Professor: Dr. John Monahan

College of Natural Science and Mathematics
Dr. Paul W. Layer, Dean

Peter Anthony Bieniek *

Ph.D.  Atmospheric Sciences
B.S., Valparaiso University (Indiana), 2005; M.S., University of Alaska Fairbanks, 2007.
Thesis: Assessing River Ice Breakup Date, Coastal Tundra Vegetation and Climate Divisions in the Context of Alaska Climate Variability
Large-scale drivers of Alaska climate were investigated to advance seasonal forecasting. River ice breakup is earlier when spring temperatures are higher under clearer skies from reduced storminess. Objective methods revealed 13 climate divisions for Alaska, based on homogenous variability. Tundra vegetation responds to snow and sea ice, which impact temperatures.
Major Professor: Dr. Uma Bhatt
Lori Kristine Bogren  
**Ph.D.** *Biochemistry and Molecular Biology*  
Thesis: Resistance to Multi-Organ Failure and Metabolic Alterations after Global Ischemia/Reperfusion in the Arctic Ground Squirrel  
Physiological changes after global ischemia/reperfusion were compared between I/R injury-prone rats and I/R injury-resistant arctic ground squirrels. Arctic ground squirrels were resistant to organ damage, systemic inflammation, and multi organ failure after I/R. This resistance may stem from arctic ground squirrels’ resistance to metabolic alterations during I/R.  
Major Professor: Dr. Kelly Drew

Maria Denise Bray  
**Ph.D.** *Biological Sciences*  
Thesis: Physical Activity, Body Composition and their Associations with Health in Yup’ik People  
Activity and the prevention of excess adiposity are important to good health. This dissertation highlights key findings regarding the accuracy of assessment tools for measuring physical activity and body composition, as well as the associations between physical activity and body composition with health-related variables in Yup’ik people.  
Major Professor: Dr. Bert Boyer

Robin Ann Bronen **  
**Ph.D.** *Climate Change Adaptation and Human Rights: Interdisciplinary Program*  
Thesis: Climate-Induced Community Relocations: Creating an Adaptive Governance Framework Based in Human Rights  
In Alaska, decreasing Arctic sea ice and thawing permafrost are accelerating flooding and erosion and threatening indigenous communities. This dissertation describes the steps that federal, state, and tribal governments have taken to relocate three of these communities. Guiding human rights principles of climigration and an adaptive governance framework are proposed.  
Major Professor: Dr. F. Stuart “Terry” Chapin III

Helena Marion Buurman  
**Ph.D.** *Geophysics*  
B.S., University of Edinburgh (Scotland), 2006; M.S., University of Alaska Fairbanks, 2008.  
Thesis: Volcano Seismicity in Alaska  
Volcanic earthquakes can show us how volcanic systems work. I use volcano seismicity to track the progression of magma as it moves through the crust during eruptions. I also examine 10 years of volcano seismic data recorded at 46 different volcanoes to determine what controls volcanic activity in Alaska.  
Major Professor: Dr. Michael West

* Summer degree recipient  
** December degree recipient
Nicole DeRoin **

**Ph.D. Geophysics**


**Thesis: Methods for Monitoring and Forecasting Volcanic Hazards and Eruptions Using Seismology and Other Geophysical Data**

The relationship of seismicity and physical characteristics of eruption phenomena at three volcanoes was studied. Correlations between plume heights, rockfall sizes and rockfall run-out distances and seismicity were found. A method for detecting tremor was found by modeling duration-amplitude distributions of volcanic tremor with an exponential law.

Major Professor: Dr. Stephen McNutt

Yuning Fu **

**Ph.D. Geophysics**

B.S., Wuhan University (China), 2005; M.S., Wuhan University (China), 2007.

**Thesis: Loading Deformation on Various Timescales Using GPS and GRACE Measurements**

The effect of using inconsistent reference frame to correct Ocean Tidal Loading on GPS coordinate solutions was examined. Two geodetic observations, GPS and GRACE, were used to investigate the seasonal and long-term loading deformation in the Nepalese Himalaya, and seasonal hydrology loading effects in southern Alaska.

Major Professor: Dr. Jeffrey Freymueller

Ronni Grapenthin *

**Ph.D. Geophysics**

Diplom, Humboldt-Universitat Zu Berlin (Germany), 2007.

**Thesis: Volcano Deformation and Subdaily GPS Products**

Daily averages of GPS positions are utilized to infer characteristics of the magmatic systems of Redoubt (Alaska) and Bezymianny (Kamchatka) volcanoes. Subdaily GPS data is used to visualize and analyze the dynamics of the 2011 Tohoku earthquake (Japan) and to demonstrate the detectability of volcanic plumes in GPS data.

Major Professor: Dr. Jeffrey Freymueller

Sarah Massey Henton

**Ph.D. Geology**


An investigation of magma storage and pre-eruptive magma heating preceding the 2006 eruption of Augustine Volcano, Alaska. This study used techniques in petrology and experimental petrology to refine models of the magmatic pulling system of one of Alaska's most active volcanoes.

Major Professor: Dr. Jessica Larsen
Keiko Akasofu Herrick  
*Ph.D. Biological Sciences*  
**Thesis: Predictive Modeling of Avian Influenza in Wild Birds**  
Using the Random Forests algorithm, I constructed predictive models for avian influenza virus in wild birds. Various algorithms were evaluated to correct highly imbalanced prevalence often found in wildlife surveillance data. Cold regions consistently displayed the highest relative predicted occurrence scores over the warm and temperate regions usually modeled.  
Major Professors: Dr. Falk Huettmann and Dr. Barbara Taylor

Kimberly Erin Iceman  
*Ph.D. Biological Sciences*  
B.S., University of Utah, 2005.  
**Thesis: Raphé Chemosensory Amplifier: A CO₂-Sensitive Brain Network**  
Three distinct types of brainstem raphé neurons sensitive to CO₂/pH were electrophysiologically and histologically characterized in an intact rodent system. Results suggest that together these chemosensitive neuron groups interact as a “raphé chemosensory amplifier” network to sense and respond to changes in tissue CO₂/pH, affect ventilation, and promote homeostasis.  
Major Professor: Dr. Michael Harris

Elchin Jafarov  
*Ph.D. Geology and Geophysics*  
**Thesis: The Effects of Changes in Climate and Other Environmental Factors on Permafrost Evolution**  
The central objective in this study was to predict permafrost thermal dynamics during the 21st century using high resolution climate datasets. As an additional outcome of this objective, permafrost modeling was improved by using better snow parametrization methods and addressing consequences of forest fires on permafrost.  
Major Professor: Dr. Vladimir Romanovsky

Poul Flyvholm Jensen  
*Ph.D. Space Physics*  
B.Sc., University of Copenhagen (Denmark), 1993.  
**Thesis: Analysis of Methods for Solar Wind Propagation from Lagrangian Point L1 to Earth**  
Several methods for extrapolating solar wind data from an upstream location (Lagrangian Point L1) to the magnetosphere using data from a single satellite were explored. Results may help improve accuracy of such extrapolated data, which is widely used for magnetospheric research and short-term forecasting of geomagnetic activity.  
Major Professor: Dr. William Bristow
Ryan P. Kovach **

**Ph.D. Biological Sciences: Wildlife Biology**

B.S., University of Montana, 2008.

Thesis: Salmonid Phenology, Microevolution, and Genetic Variation in a Warming Alaskan Stream

A critical question in ecology is how populations will respond to climate warming. Long-term demographic, genetic, and environmental data were used to determine the patterns, mechanisms, and consequences of climate-induced changes in salmon migration timing. Migration timing shifted substantially, partially due to evolution, but abundances and genetic diversity were stable.

Major Professors: Dr. David Tallmon and Dr. Mark Lindberg

Dominick Joseph Lemas **

**Ph.D. Biochemistry and Molecular Biology**

B.S., University of Vermont, 2006.

Thesis: Gene-By-Diet Interactions and Obesity Among Yup’ik People Living In Southwest Alaska

An investigation of gene-by-diet interactions that modified genetic risk of developing obesity in Yup’ik people used genetic markers in obesity candidate genes and nitrogen stable isotope ratios of red blood cells as a biomarker for marine-derived n-3 polyunsaturated fatty acids intake to evaluate changes in obesity-related phenotypes.

Major Professor: Dr. Bert Boyer

Taryn M. Lopez

**Ph.D. Environmental Chemistry**

B.S., University of Wisconsin - Eau Claire, 2003; M.S., Michigan Technical University, 2006.

Thesis: Characterization and Interpretation of Volcanic Activity at Redoubt, Bezymianny and Karymsky Volcanoes Though Direct and Remote Measurements of Volcanic Emissions

Volcanic emissions measurements can be used to characterize eruptive activity and infer subsurface processes at active volcanoes. This dissertation uses direct and remote volcanic emissions measurements to: (1) quantify SO₂ emissions from Redoubt Volcano, (2) detect magma ascent at Bezymianny Volcano, and (3) remotely characterize diverse activity at Karymsky Volcano.

Major Professor: Dr. Catherine Cahill

Xuanye Ma **

**Ph.D. Space Physics**

B.S., University of Science and Technology (China), 2008.

Thesis: Kelvin-Helmholtz Instability and Magnetic Reconnection at the Earth’s Magnetospheric Boundary

Entropy can strongly increase only for small inflow plasma beta conditions. A field-aligned current can be generated by a guide magnetic field, a perpendicular shear flow, and inclusion of Hall physics. Magnetic reconnection is strongly modified by mutual interaction with Kelvin-Helmholtz modes for southward interplanetary magnetic field conditions.

Major Professors: Dr. Antonius Otto and Dr. Curt Szuberla
Jacob Raymond Mongrain **

**Ph.D. Geology**

*B.S., University of Maine, 2001; M.S., University of Alaska Fairbanks, 2006.*

**Thesis: Depositional Systems, Paleoclimate, and Provenance of the Late Miocene to Pliocene Beluga and Sterling Formations, Cook Inlet Forearc Basin, Alaska**

Investigation of the Beluga and Sterling formations of the Cook Inlet forearc basin, Alaska, revealed significant differences in depositional style. These differences are ascribed to sediment-flux changes between transverse-axial dominated (Beluga Fm.) and axial dominated (Sterling Fm.) fluvial systems attributed to exhumation in the Alaska Range ~11 Ma

**Major Professor: Dr. Paul McCarthy**

Sarah Heather Nash

**Ph.D. Biological Sciences**

*B.A., University of Cambridge (United Kingdom), 2007.*

**Thesis: Developing Stable Isotope Biomarkers of Yup’ik Traditional and Market Foods to Detect Associations with Chronic Disease Risk**

This dissertation validated biomarkers of Yup’ik traditional and market food intake based on naturally occurring variations in carbon and nitrogen stable isotope ratios. It then presented applications of these biomarkers to investigate dietary patterns and associations of diet with chronic disease risk factors in Yup’ik people.

**Major Professor: Dr. Diane O’Brien**

Owen Kelly Neill

**Ph.D. Geology**

*B.A., Amherst College (Massachusetts), 2007; M.S., University of Hawaii - Manoa, 2009.*

**Thesis: Petrologic and Geochemical Tracers of Magmatic Movement in Volcanic Arc Systems: Case Studies from the Aleutian Islands and Kamchatka, Russia**

In this dissertation, different geochemical tracers are used to investigate magmatic processes at Kasatochi Island volcano, located in the Aleutian Islands, and at Bezymianny Volcano, located in Kamchatka, Russia.

**Major Professors: Dr. Jessica Larsen and Dr. Pavel Izbekov**

Amanda Leigh Robertson **

**Ph.D. Biological Sciences: Wildlife Biology and Conservation**

*B.S., Florida Institute of Technology, 2004; M.S., Tulane University (Louisiana), 2007.*

**Thesis: Acclimation and Migration Potential of a Boreal Forest Tree, Balsam Poplar (Populus balsamifera L.) in a Changing Climate**

Within a species, local adaptation may cause populations to respond differently to climate change. I investigated the roles of acclimation and adaptation in tree-growth responses to increased temperature. Growth of balsam poplar increased 27 – 69 percent due to 3 – 8 degree Celsius experimental warming, and differed among populations. Projected climate-change impacts should include population-level differences.

**Major Professors: Dr. Matthew Olson and Dr. Naoki Takebayashi**

* Summer degree recipient
** December degree recipient
James D. Stone
Ph.D. Biological Sciences
B.A., Rice University (Texas), 2004.
Thesis: Experimental and Theoretical Studies of the Pollination Ecology of Gynodioecy
Gynodioecy, describing populations of females and hermaphrodites, is surprisingly common among plants. Pollination ecology helps account for this prevalence as well as the remarkable variation observed in gynodioecious sex ratios. I use theoretical and empirical approaches to describe pollinators’ role in the evolution and maintenance of gynodioecy.
Major Professors: Dr. Matthew Olson and Dr. Naoki Takebayashi

Huy Nguyen Quang Tran **
Ph.D. Atmospheric Sciences
B.E., Ho Chi Minh City University of Technology (Vietnam), 2004; M.S., Asian Institute of Technology (Thailand), 2008.
Thesis: Analysis of Model and Observation Data for the Development of a Public PM$_{2.5}$ Air-Quality Advisories Tool (AQuAT)
An air-quality advisory tool that combines mobile measurements of particulate matter less than or equal to 2.5μm in diameter (PM$_{2.5}$) with outputs of an air-quality model was developed to interpolate PM$_{2.5}$-measurements into unmonitored neighborhoods in Fairbanks, Alaska, and to provide a spatially differentiated public air-quality advisory.
Major Professor: Dr. Nicole Mölders

Heidi L. Weigner **
Ph.D. Biological Sciences
Thesis: Freshwater Fish Biogeography in the Bering Glacier Region, Alaska
Bering Glacier, Alaska, is Earth’s largest surging glacier. Surges and retreats lead to a dynamic environment for aquatic communities. Purposes of this study are to characterize fish communities and provide information relevant to their management for BLM. Given Bering Glacier’s remoteness, little information exists regarding its fish communities.
Major Professors: Dr. Kris Hundertmark and Dr. Frank von Hippel
School of Education
Dr. Allan Morotti, Dean

Caitlin Nicole Montague-Winebarger *
Ph.D. Cross-Cultural Studies in Education: Interdisciplinary Program
Thesis: “That’s a Hard Question”: Undergraduate Students Talk About Culture
An interdisciplinary and highly situated ethnographic study examining the ability of undergraduates in two culture-oriented courses to articulate a framework for describing culture, cross-culture, and cultural difference used both auto-ethnographic narrative and semi-structured interviews to better understand the existence of said frameworks, their development, and impact on multicultural teacher education.
Major Professors: Dr. Beth Leonard and Dr. Maureen Hogan

School of Fisheries and Ocean Sciences
Dr. Michael A. Castellini, Dean

Bradley Wray Barr **
Ph.D. Ocean Wilderness Stewardship: Interdisciplinary Program
B.S., University of Maine, 1977; M.S., University of Massachusetts, 1987.
Thesis: Ocean Wilderness in Theory and Practice
“Wilderness” is an idea routinely linked to the land, but rarely to the sea. This research explored how wilderness is defined, how wilderness qualities of ocean waters are perceived, identified wilderness waters designated in North America, and offered recommendations regarding appropriate identification and management of future ocean wilderness areas.
Major Professors: Dr. Andrew Kliskey and Dr. Gordon Kruse

Benjamin John Daly *
Ph.D. Fisheries
Thesis: Red King Crab Hatchery Culture and Ecological Requirements: Applications for Stock Enhancement
Stock enhancement is being considered for red king crabs in Alaska. My research addresses bottlenecks associated with hatchery production and lays groundwork for developing release strategies. I demonstrate that hatchery production can be improved with specific rearing protocols and suggest that releases during the early juvenile stages may be beneficial.
Major Professor: Dr. Ginny Eckert
Michael R. Garvin **

**Ph.D.** \textit{Fisheries}

\textit{B.S., University of Washington, 1991; M.S., University of Alaska Fairbanks, 2008.}

\textit{Thesis: Population Genetics and Mixed Stock Analysis of Chum Salmon (\textit{Oncorhynchus keta}) with Molecular Genetics}

Genetic information from salmon caught in the marine environment is used to assign individual fish to a population of origin. This dissertation describes methods to perform these analyses and identifies possible reasons for genetic similarities among chum salmon populations in western Alaska, which are important for subsistence and commercial fisheries.

\textbf{Major Professor: Dr. Anthony Gharrett}

Tammy Dee Hoem Neher **

**Ph.D.** \textit{Fisheries}

\textit{B.S., Boise State University (Idaho), 1998; M.S., Boise State University (Idaho), 2002.}

\textit{Thesis: The Influence of Estuarine Habitats on Expression of Life History Characteristics of Coho Salmon Smolts in South-Central Alaska}

I examined habitat use and trait expression in juvenile coho salmon occupying two contrasting estuaries. Young salmon reared in estuaries for extended time periods and patterns of use were related to environmental conditions. This work highlights how functioning estuary habitats can contribute to resilience of salmon populations to changing environments.

\textbf{Major Professor: Dr. Amanda Rosenberger}

Katharine Bollinger Miller

**Ph.D.** \textit{Oceanography}

\textit{B.A., University of Puget Sound (Washington), 1985; M.A., University of Washington, 1989.}

\textit{Thesis: Predicting Distributions of Estuarine Associated Fish and Invertebrates in Southeast Alaska}

Estuaries in Southeast Alaska provide habitat for juveniles and adults of commercial fish and invertebrates. This study uses advanced machine learning algorithms to develop accurate (>70 percent) predictive models of species occurrence and community composition in relation to regional patterns of precipitation, tidal energy, abundance of intertidal habitat, and vegetation.

\textbf{Major Professor: Dr. Brenda Norcross}

Jason T. Stolarski

**Ph.D.** \textit{Fisheries}

\textit{B.S., University of Massachusetts Amherst, 2004; M.S., West Virginia University, 2007.}

\textit{Thesis: Growth and Energetic Condition of Dolly Varden Char in Coastal Arctic Waters}

Gaps in our understanding of Dolly Varden char ecology in the Alaskan Arctic impede management and our ability to predict the effects of climate change. We developed and validated non-lethal, scale-based aging and energy-based condition indices. Growth varied among demographics and over time in response to landscape-scale environmental characteristics.

\textbf{Major Professors: Dr. Anupma Prakash and Dr. Trent Sutton}
Kray Fleming Van Kirk *

_Ph.D.  Fisheries_

B.A., Linfield College (Oregon), 1987; B.S., Sheldon Jackson College (Alaska), 2001; M.S., University of Alaska Fairbanks, 2008.

_Thesis: Multispecies Age-Structured Assessment Modeling as a Tool of Fisheries Management in the Gulf of Alaska_

A multispecies age-structured assessment model for the Gulf of Alaska is developed to assess the effects of integrating predation mortality into stock assessment efforts. Trophic structure, predator functional response, model response to flawed data and assumptions, and multispecies biological reference points and harvest control rules are examined.

Major Professor: Dr. Terrance Quinn II

**SCHOOL OF NATURAL RESOURCES AND AGRICULTURAL SCIENCES**

_Dr. Stephen D. Sparrow, Interim Dean_

Peter Martin Anthony **

_Ph.D.  Natural Resources and Sustainability_

B.A., St. Olaf College (Minnesota), 1999.

_Thesis: Soil Fertility and Corn and Soybean Yield and Quality in a Six-Year Nitrogen and Phosphorus Fertilization Experiment_

Within agricultural fields, soils differ in ability to supply nutrients to crops and crops vary in demand for nutrients. Our research quantified this variability in nutrient supply and crop demand, determining ways for farmers to apply supplemental nutrients in amounts that optimize yield while minimizing economic and environmental risk.

Major Professor: Dr. Stephen Sparrow

Carolyn K. Levings **

_Ph.D.  Botany: Interdisciplinary Program_

B.F.A., Oklahoma State University - Stillwater, 2000; B.S., University of Oklahoma, 2004; M.S., Miami University (Ohio), 2006.

_Thesis: Anatomical and Mechanical Characteristics of Woods Used to Manufacture Bassoons_

Bassoon resonant and non-resonant woods were compared and found to be statistically different using anatomy and tapping. Two Alaska hardwoods were compared to the resonant and non-resonant woods and found to group with the non-resonant wood. Lists of resonant characters and resonant North American hardwoods (incomplete) were compiled.

Major Professor: Dr. Valerie Barber

* Summer degree recipient

** December degree recipient

May 12, 2013  53
Kimberley Anne Camille Maher

**Ph.D.  Forest Science: Interdisciplinary Program**

B.S., Boston College (Massachusetts), 1998; M.S., University of Alaska Fairbanks, 2005.


Non-timber forest products contribute to livelihoods and economies in Interior Alaska, but are poorly documented. This interdisciplinary dissertation uses survey, interview, and tree ring data to investigate harvest activities and impacts. Results show harvesting NTFPs is widespread; harvesters often seek intangible benefits; and climate change may impact NTFP availability.

**Major Professor: Dr. Glenn Juday**

Brian D. Young **

**Ph.D.  Natural Resources and Sustainability**


**Thesis: Diversity in the Boreal Forest of Alaska: Distribution and Impacts on Ecosystem Services**

Sustainable forest management requires a clear understanding of the biological diversity of forested ecosystems. In this dissertation, I examined forest diversity in terms of species richness, evenness, and structure using existing forest inventories within the boreal forest of Alaska in four distinct frameworks: Recruitment, Patterns, Predictions, and Production.

**Major Professor: Dr. John Yarie**
COMMENCEMENT SPEAKER

MATTHEW DAVID EMMONS

UAF graduate Matthew D. Emmons, ’03, is one of the most successful athletes in Alaska Nanook history. A standout shooter on the rifle team, Emmons helped lead the Nanooks to four consecutive national championships, from 1999 – 2003. He also earned four NCAA individual titles along the way, and was the first and only shooter in NCAA history to claim three career NCAA smallbore championships.

In international competition, Emmons is consistently ranked among the top 10 rifle shooters in the world. He has won three medals in the last three Olympic Games: gold in 2004, silver in 2008 and bronze in 2012.

Originally from Browns Mills, N.J., Emmons now lives in the Czech Republic with his Czech-born wife, Katerina, also a rifle shooter, and their daughter, Julia.
Emeriti Recognition

Dr. Carol A. Barnhardt
Associate Professor of Elementary Education, Emeritus

Dr. Carol A. Barnhardt has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1982 to 2013.

She possesses a unique understanding of the issues facing education in Alaska, and has been a longtime champion of the University’s efforts to deliver high-quality multicultural education to rural communities, working closely with Alaska Native educators around the State in those efforts.

She has taught a wide range of undergraduate and graduate courses using a variety of delivery methods; and whose enthusiasm for learning, high standards and genuine interest in students have made her a greatly respected professor.

She has an exemplary record of service to the University and the School of Education, having served as the leader of the School’s successful accreditation and reaccreditation efforts; and has provided essential and effective leadership to the Elementary Education program for many years.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. Carol A. Barnhardt for her extensive contributions to the State of Alaska and to the University.

Dr. Raymond J. Barnhardt
Professor of Cross-Cultural Studies, Emeritus

Dr. Raymond J. Barnhardt has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1970 to 2013.

He has worked tirelessly to build awareness of Native ways of knowing through endeavors such as the establishment of the Alaska Native Knowledge Network, which has a worldwide influence; and was instrumental in bringing the Indigenous Studies doctoral program to fruition at UAF, which has significantly increased the number of Alaska Native PhD students from the University.

He is an active researcher and scholar who regularly succeeds in obtaining external funding to support research and education in cross-cultural studies, and whose publication record includes more than one hundred papers, book chapters and books.

He is recognized internationally for his work, and is the recipient of numerous awards and recognitions, including the Governor’s Award for the Humanities, the Alaska Federation of Natives Distinguished Service Award, the Bill Demmert Lifelong Leadership Award, the Alaska Science Teachers Association Distinguished Service Award, and the World Indigenous Nations Higher Education Consortium’s Distinguished Service Honors Award.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. Raymond J. Barnhardt for his extensive contributions to the State of Alaska and to the University.
Emeriti Recognition

Dr. Charles Crapo
Professor of Seafood Science, Emeritus

Dr. Charles Crapo has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1983 to 2013.

His work as a seafood scientist, professor and marine advisory specialist has had a tremendous impact on Alaska’s fishing industry, and he has established an excellent level of credibility that has earned him the respect and confidence of seafood plant personnel, harvesters, fishermen, regulators and industry leaders across the State, all of whom praise him highly for his outreach projects and service to improve the quality, safety and development of their products, and for advancing the science of seafood quality and handling.

His research is informed by the needs of the industry; and he has authored more than forty peer-reviewed publications and fifty technical or extension bulletins focusing on seafood quality and product development, and has worked on more than one hundred fifty sponsored projects funded by Federal agencies.

He has, during his time at the University, developed and taught seven graduate and undergraduate classes, guided eight students toward their interdisciplinary master’s degree in seafood science, and advised countless others.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. Charles Crapo for his extensive contributions to the State of Alaska and to the University.

Dr. Joel D. Irish
Professor of Anthropology, Emeritus

Dr. Joel D. Irish has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1998 to 2013.

He has been an outstanding faculty member who developed the biological anthropology program, and has taught a wide range of undergraduate and graduate classes that have been both demanding and popular, earning him the award of Excellence in Teaching by the College of Liberal Arts.

His research pertaining to dental anthropology and human osteology has an impressive international scope, with extensive fieldwork conducted in Egypt, where he has been the bioarchaeologist for two expeditions, and in Alaska, where he played a key role in the excavation and recovery of the remains of one of the earliest inhabitants of North America.

His service record is substantial and varied, having served as President of the Dental Anthropology Association, Associate Editor of the American Journal of Physical Anthropology, and Chair of the Anthropology Department; and as Curator of physical anthropology at the UA Museum of the North he has performed regular public service in helping identify human remains in both archaeological and forensic contexts.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. Joel D. Irish for his extensive contributions to the State of Alaska and to the University.
Emeriti Recognition

Dr. Zygmunt Kowalik  
Professor of Oceanography, Emeritus

Dr. Zygmunt Kowalik has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1981 to 2013.

He has a long history of research in the waters surrounding Alaska, ranging from the Arctic Ocean to the Gulf of Alaska, earning an international reputation for his work on physical oceanography and numerical methods for investigating ocean dynamics, with a focus on tides, tsunamis, currents and storm surges, and has been cited as being the world leader in numerical modeling of tsunami waves for three decades.

He has been a major professor and thesis advisor for eight doctoral and four master's degree students, and has taught a variety of graduate-level classes on numerical modeling of ocean dynamics, based on his own textbooks, at UAF as well as abroad.

He has been very active in local and international community service, including serving as a Foreign Member to the Polish Academy of Science since 1999, and in Alaska, has shared his expertise and computer programs with the Alaska Tsunami Warning Center, increasing the potential to save lives and prevent property damage along Alaska’s coastlines as a result of tsunamis.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. Zygmunt Kowalik for his extensive contributions to the State of Alaska and to the University.

Dr. Jonah H. Lee  
Professor of Mechanical Engineering, Emeritus

Dr. Jonah H. Lee has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1984 to 2013.

He has greatly enhanced the educational experience of mechanical engineering students at both the undergraduate and graduate level, making a significant and lasting impression on them through his mentoring and guidance, and instilling in them a respect for science and engineering by challenging them to think rigorously and produce exceptional work.

He has secured more than $16 million in external funding for research in areas of significant importance to the U.S. Department of Defense, has published more than eighty research papers, and has significantly improved collaborative university-industry research efforts through his leadership in the development of the U.S. Army Automotive Research Center.

His leadership and service within the University include serving as Chair of the Mechanical Engineering program, developing nine advanced courses in the program, and being a strong force in the development of a fast-track BS/MS program in mechanical engineering.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. Jonah H. Lee for his extensive contributions to the State of Alaska and to the University.
Emeriti Recognition

Dr. Carol E. Lewis has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1973 to 2013.

She served as the Dean of the School of Natural Resources and Agricultural Sciences and Director of the Agricultural and Forestry Experiment Station, where she has been lauded for her dedication and educational philosophy.

She is highly regarded as a professor of resource management, teaching numerous courses and mentoring several graduate students, and was instrumental in helping develop new courses that emphasized critical thinking and problem solving with consideration of the importance of understanding history, policy and economics in the management of natural resources.

Her techniques for growing tomatoes and cucumbers in controlled environments in high-latitude regions are used by many commercial greenhouses in Alaska, and in her capacity as Dean, she continued to work with the School’s clients in grower meetings and field days around the State.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. Carol E. Lewis for her extensive contributions to the State of Alaska and to the University.

Dr. Roman J. Motyka has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1997 to 2013.

He has made lasting contributions to the fields of glaciology, volcanology and geothermal research, nationally and internationally; and whose studies of tidewater and lake-calving glaciers in Southeast Alaska became the first-ever quantification of subglacial melt rates at the terminus of a tidewater glacier, receiving widespread recognition and leading to similar studies in Greenland that he became highly involved in.

He, while based in Juneau, worked diligently to integrate faculty and students from the University of Alaska Southeast into his research with the Geophysical Institute, and several of his students have received doctoral and master’s degrees, and he has served on multiple graduate student committees.

He has shared his knowledge with the greater public, frequently giving lectures at the Mendenhall Glacier Visitors Center, the Glacier Bay Visitors Center, and the Wrangell-St. Elias Visitors Center, and provided scientific advice and training for interpretive staff at those centers.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. Roman J. Motyka for his extensive contributions to the State of Alaska and to the University.
Emeriti Recognition

Dr. Peter P. Schweitzer
Professor of Anthropology, Emeritus

Dr. Peter P. Schweitzer has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1991 to 2013.

He is a highly regarded and popular Professor of Anthropology and esteemed mentor who taught classes at both the undergraduate and graduate levels, and whose contribution to the curriculum was rich and varied, and who served as Department Head as well as Chair of more than twenty-five graduate committees.

He most recently served as the Director and Principal Investigator for the Alaska EPSCoR project, which brings together research from across the Statewide system; and his own research endeavors pertaining to regional areas such as Siberia and the Russian Far East and topical matters such as the anthropology of climate change and indigenous political movements have resulted in millions of dollars of external funding and more than fifty published articles, six edited volumes and a co-authored book.

His professional service endeavors are equally vast, with numerous University committees as well as activities outside the institution, including President of the International Arctic Social Sciences Association, Board Member of the Arctic Research Consortium of the U.S., and a Steering Committee Member of Resources and Sustainable Development in the Arctic.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. Peter P. Schweitzer for his extensive contributions to the State of Alaska and to the University.

Ms. Jan Sanders Stitt
Creative Director of Marketing and Communications, Emeritus

Ms. Jan Sanders Stitt served the University of Alaska Fairbanks with distinction from 1973 to 1976 and from 1981 to 2013.

She has been a loyal and stalwart champion for Nanook pride, and whose love for the University and all it represents is evident in the work she does and the work she inspires others to do; and has been a tireless advocate for holding the reputation and public image of the University in very high regard.

Her guidance and vision have greatly enhanced institutional communication activities, and any project that has crossed her desk and been viewed by her eyes emerged the better because of it; and whose leadership role in the research, design and implementation of the University’s new branding campaign is poised to have a significantly positive impact on UAF as it approaches its Centennial.

She has consistently maintained a pleasant and positive demeanor, someone known as a kind and thoughtful soul who leads and motivates others by example, as a strong proponent of teamwork and collaboration, and as one who is always willing to help others for the betterment of the University.

The University of Alaska Fairbanks expresses its deep appreciation to Ms. Jan Sanders Stitt for her extensive contributions to the State of Alaska and to the University.
Emeriti Recognition

Mr. Peter J. Stortz
Professor of Extension, Emeritus

Mr. Peter J. Stortz has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1989 to 2013.

He, during the course of his career, developed the curriculum for and taught a multitude of highly successful courses in more than seventy rural communities around the State in such diverse fields as fisheries, natural resources education, career and leadership development, wetlands, cultural diversity, and Western and Native ways of knowing.

He met the geographical challenges of his job by utilizing a variety of teaching methods in his instruction, including in the classroom, out in the field and via distance delivery; and whose success as an instructor is attributed in part to partnerships he established with Native associations, school districts, government agencies and other organizations.

His own programming in natural resources and fisheries education has inspired other nationally acclaimed Cooperative Extension Service programs, such as the 4H Sportfishing and Aquatic Resources Education Program at Cornell University.

The University of Alaska Fairbanks expresses its deep appreciation to Mr. Peter J. Stortz for his extensive contributions to the State of Alaska and to the University.

Mr. Daniel E. Walsh
Professor of Mineral Preparation Engineering, Emeritus

Mr. Daniel E. Walsh has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1984 to 2013.

His research interest areas span a broad range of processing applications; and he is recognized and highly respected by the Alaska mining industry and the international mineral preparation engineering community; and his research has been of tremendous benefit to the mining industry in Alaska, including coal utilization technology and using radiotracer technology to increase gold recovery from placer gold mines.

He brought industrial exposure to the classroom of both his undergraduate- and graduate-level courses, which provided current and practical engineering information to his students, and his mentoring and guidance led to many of his students going on to hold engineering positions with companies around the State, and many of his graduate students developed theses pertinent to understanding and developing the State’s mineral and energy resources base.

His public service included laboratory and field work with the mining industry, a role that constantly expanded through additional field and laboratory contact with Alaska miners, thereby enhancing the University’s credibility with industry; and whose high ethical standards, tact and ability to work well with others made him a natural as a liaison between the research and business worlds.

The University of Alaska Fairbanks expresses its deep appreciation to Mr. Daniel E. Walsh for his extensive contributions to the State of Alaska and to the University.

May 12, 2013 61
Honorary Doctor of Laws

Elder statesman and dedicated servant to the State

John C. Sackett

With unwavering dedication, passion and wisdom, Mr. John C. Sackett has served the State of Alaska as a public servant for more than twenty years.

Mr. Sackett was born in 1944 at Old Woman’s Slough, a spring camp located along the Huslia River in west-central Alaska. He attended Sheldon Jackson High School, where he graduated as class valedictorian. At the encouragement of a teacher, he made his first trip Outside to attend Ohio University, seeking a degree in finance. To alleviate the cultural shock, he spent hours in the library, studying everything he could about the state he deeply missed. After his freshman year, he transferred to the University of Alaska.

In Fairbanks, Mr. Sackett’s exemplary leadership skills emerged as he became involved with Alaska Native land claim issues. At age twenty-one he became President of the recently formed Tanana Chiefs Conference. Recognizing his potential, Elders encouraged him to run for a seat in the House of Representatives, which he won at age twenty-two. After two terms, he returned to the University to complete his degree in finance, then went back to Juneau as a State Senator. That same year he became founding Chairman and President of Doyon Limited. He remained in the Senate for 14 years, including many years as Chair of the coveted Senate Finance Committee, working cooperatively and effectively across party lines on behalf of both rural and statewide priorities.

Today, Mr. Sackett shares his knowledge and wisdom in classes at UAF as an elder statesman, encouraging today’s youth to position themselves in roles that will benefit their local community, their region and the State of Alaska, much in the same manner he did.
Through his more than thirty years’ work in archaeology, Dr. George S. Smith has established himself as a leader in the profession, recognized on national and international levels for his holistic approach to the field. He brought cultural sensitivity to the practice, taking it beyond pure academics and technical skills to encompass aspects such as the application of law and ethics, interaction with the public, and collaborations with Native peoples.

Dr. Smith’s career in archaeology began at the University of Alaska Fairbanks, where he received his master’s degree in 1978. After eight years as a Research Associate in Archaeology at the University of Alaska Museum, Dr. Smith went on to work as a supervisory archaeologist with the National Park Service in Washington, D.C. From there he accepted a position at the National Park Service Southeast Archaeological Center as Division Head for the investigation and evaluation division, later becoming Associate Director and then Acting Director before his retirement in 2009. He is currently an adjunct member of the faculty with the Department of Anthropology at Florida State University.

Dr. Smith has worked with several Universities in the U.S. and Europe in regards to archaeology in higher education. He helped establish the first Society for American Archaeology Public Education Task Force and was key in making public education one of the critical elements of the SAA agenda. He has been instrumental in the formation of workshops and conferences on topics such as archaeology in higher education and cultural heritage management. He received an honorary doctoral degree from the University of South Florida in 2000, and in 2007, the Society for American Archaeology Excellence in Cultural Resource Management Award.
MERITORIOUS SERVICE AWARD

JOHN P. ZARLING

Dr. John P. Zarling’s dedication to the mission of the University of Alaska Fairbanks is exemplary. He is recognized for his tenure and contributions as a professor, researcher and as an emeritus faculty member in the field of arctic engineering. Throughout his career and in retirement, he has remained an important contributor to the University, to industry in the State, and to arctic and cold-climate research.

Dr. Zarling has consistently demonstrated his support of UAF through his active participation in mentoring students, faculty and staff as well as his generous philanthropic contributions to the University. Dr. Zarling’s unwavering dedication to education, to mentoring young leaders and to the University as a whole is to be commended.
**Alaska Flag Song**

*Music by Elinor Dusenbury • Words by Marie Drake and Carol Beery Davis*

*(with a martial air)*

Eight stars of gold on a field of blue, Alaska’s flag  
May it mean to you the blue of the sea, the ev’ning sky  
The mountain lakes and the flow’rs nearby  
The gold of the early sourdough’s dreams  
The precious gold of the hills and streams  
The brilliant stars in the northern sky  
The “Bear,” the “Dipper” and shining high  
The great North star with its steady light  
O’er land and sea a beacon bright  
Alaska’s flag to Alaskans dear  
The simple flag of a last frontier

A Native lad chose the Dipper’s stars  
For Alaska’s flag that there be no bars  
Among our culture. Let it be known  
Through years the Native’s past has grown.  
To share life’s treasures, hand in hand,  
To keep Alaska our Great-Land;  
We love the northern midnight sky,  
The mountains, lakes, and streams nearby.  
The great North Star with its steady light  
Will guide all cultures, clear and bright,  
With Alaska’s flag to Alaskans dear,  
The simple flag of the last frontier.

*Alaska Flag Song © 1985 UA Foundation.  
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Academic Traditions

For centuries, pomp and circumstance have added color and dignity to the recognition of scholastic achievement. Modern academic dress evolved from caps and gowns worn in medieval universities, which were agencies of the church. Academic gowns distinguished university personnel from townspeople who also wore gowns for daily dress. The costumes of doctors and lesser clerics were not as elaborate as those prescribed for officials, but they were distinctive nonetheless. Through the centuries, the traditional pageantry has not changed much. In ancient times, each individual scholar wore special colors, fur and fabrics, as did his students. Since the traditions began, however, official standards have been documented that allow the observer to identify more about the scholar.

Gowns

Three types of black gowns may be distinguished in UAF’s academic procession. Certificate, associate and baccalaureate gowns have long, pointed sleeves. Master’s gowns have oblong sleeves with an arc cut away in the front. Doctoral gowns are faced with velvet and have bell-shaped sleeves with three bars of velvet.

Hoods

UAF’s master’s and doctoral degree candidates will receive their hoods today, signifying they have gone beyond the bachelor’s degree to a higher level of academic achievement. UAF’s colors are blue and gold, and these colors line the inside of each hood. The velvet trim signifies the scholar’s field of study: master of arts, white; master of business administration, drab; master of education, light blue; master of engineering, orange; master of fine arts, brown; master of science, yellow; and doctor of philosophy, dark blue.

Mortarboards

The square Oxford cap, or mortarboard, is black and has a long tassel fastened to the middle of the top. Some colleges and universities use the soft beret, but the prevailing style of cap is the traditional mortarboard. You may notice the University of Alaska regents and some of the faculty wearing soft beret-style caps. For undergraduates receiving their first degree, the tassel is customarily worn on the right side and shifted to the left after receiving the diploma. At many institutions, colored tassels are worn to indicate the candidate’s school or college. At UAF, a blue and gold tassel is worn on the cap for all certificates and associate, baccalaureate and master’s degrees, and gold tassels are worn for all doctoral degrees.
While you may not be able to identify the origins of each specific academic robe and hood appearing in today’s commencement ceremony, you can reflect that from the certificate recipient in a simple black gown to the doctor of philosophy in a velvet trimmed robe and colorful hood, students and professors alike are paying homage to more than 700 years of academic tradition.

An academic legend tells of a wise old Greek who dressed his students in mason’s sackcloth robes and mortarboards because, he said, “Their destiny is to build. Some will build cities; some will build lives — perhaps one of them will build an empire; but all will be builders on the solid foundation of knowledge.”

**Chancellor’s Medallion**

During the Middle Ages, medallions signified membership in religious orders and workers’ guilds and, in the Renaissance, membership in elite orders of knighthood and prominence in government office. Today, colleges and universities strike medallions to commemorate important events and achievements or to designate a person of consequence. The UAF chancellor’s medallion signifies the authority vested in the chancellor.

Fabricated in bronze by Judie Gumm of Ester, Alaska, in 1991, the chancellor’s medallion depicts the University of Alaska seal featuring Mount McKinley, with the addition of a cluster of forget-me-nots — the state flower — at the bottom and a ribbon of aurora borealis across the sky. The medallion is held by a beaded neckpiece in a forget-me-not pattern made by Selina Alexander in the Koyukon Athabascan style. The central cord is made of tanned moosehide, covered with beads sewn together one by one and then sewn to the cord. The medallion was commissioned by Chancellor Patrick J. O’Rourke in his last year of office to reflect the Alaska roots and cultural diversity of the university’s students.

**University Mace**

Bodyguards of French and English monarchs carried ceremonial war clubs, or maces, in the Middle Ages. Later, the mace became an important symbol of office in civil processions and academic pageantry. The grand marshal carries the University of Alaska mace in the commencement procession and places it in a stand on the stage during commencement ceremonies to signify the importance of the occasion.

The mace was commissioned by the University of Alaska Alumni Association in honor of the university’s 1967 Golden Anniversary, and was created by UAF Professor Ron Senungetuk using silver, jade and rosewood. At the top of the mace, a disk in the center of two open orbs depicts the University of Alaska seal on one side and the Alaska state seal on the other. The materials were selected to symbolize qualities of durability, strength and beauty.