Thousands of dollars available annually to outstanding geography students:

Scholarships
**Scholarships**

**Brooks-Shaw Award:** Typically 1-2 scholarships of up to $2000 each are awarded annually.

Criteria:
- Must be a declared Geography major
- Award is merit-based
- Preference will be given to students who plan to pursue graduate work in Geography
- Must enroll for Fall 2019 classes

**Stoltman Award:** Typically 1-2 scholarships of up to $1500 each are awarded annually.

Criteria:
- Must be a declared Geography major, ENST-Geography major, or CERM graduate student
- Award is merit-based
- Preference will be given to graduates of a Kittitas County high school
- Must enroll for Fall 2019 classes
Scholarships

**Kaatz Award**: typically 1 scholarship of $1000 is awarded annually.

Criteria:
- Must be a declared Geography major and enrolled full time
- Must have a minimum Geography GPA of 3.0 and show academic promise
- Must enroll for Fall 2019 classes

**Macinko Award**: typically 1 scholarship of $600 is awarded annually.

Criteria:
- Must be a declared Geography or ENST-Geography major
- Must have done well in classes and display the potential for becoming a lifelong geographer
- Must enroll for Fall 2019 classes
Scholarships

Hultquist Distinguished Service Award: typically 1-2 scholarships of up to $500 each are awarded annually.

Criteria:
• Must be a declared Geography major or CERM graduate student
• Must demonstrate leadership in Geography Club, CERMA, or Gamma Theta Upsilon, and/or service to the Geography Department, CERM program or the Ellensburg community through volunteer activities
• Must enroll for Fall 2019 classes

How to apply:
• Apply online through the Scholarship Central system: https://www.cwu.edu/scholarships/scholarship-central
• Fill out the general scholarship application, then apply for individual awards.
• Write a 1-2 page essay that includes the following:
  • Clearly state in the essay the award(s) for which you are applying.
  • Describe in general what made you declare your major and what you plan to do with your degree.
  • Describe specifically why you should be awarded the scholarship(s) for which you are applying and how you satisfy the specific criteria.
• Email Dr. Megan Walsh at megan.walsh@cwu.edu with questions!
1. Introduction of faculty & staff & Geography senator
2. Scholarships
3. Advising for geography programs
4. Related programs
5. Upcoming courses
6. Internships
7. Research opportunities & conferences
8. Geography Club & Gamma Theta Upsilon
9. Careers & graduate school
10. Upcoming events

**Agenda**

• Kaitlin Wright, academic counselor
  Gen Ed advising; academic probation & warning
  Dean 306; 963-3423; kaitlin.wright@cwu.edu
• Geography major advising – each student is assigned to a faculty member depending on student interests and faculty advising load. You can find out who your advisor is in MyCWU.

**Geography Advising**
Tracks

1st & 2nd Year Core Courses
(101, 107, 203, 208, 250)

- Geography (B.A.)
- Environmental & Resource Geog. (B.S.)
- GIScience (B.S.)

Geography Programs & Dos and Don’ts

- Changing from the BA to the BS may get you a more marketable degree but also requires more coursework.
- Geography majors need at least 8 credits of Geography at the 400-level not including Capstone.
- If you are doing the GIS sequence, try to finish before start of senior year.
- Do courses in the intended order (complete 101, 107, 208, 250, and 301 before Capstone!).
Related Programs

- Integrated Energy Management BS (interdisciplinary)
- Energy Studies minor (interdisciplinary)
- Public Policy BS (interdisciplinary)
- GIS certificate
- Natural resource management certificate

GIS Certificate – 27 credits

Core: 24 credits
GEOG 301 - Introduction to GIS and Maps (4 credits) Fall, Winter, Spring, Summer
GEOG 303 - GIS and Data Management (5 credits) Fall, Winter
GEOG 404 - GIS Analysis (5 credits) Winter, Spring

Either
GEOG 330 - Airphoto Interpretation (5 credits) Fall
or
GEOG 411 - GIS Programming & Automation (5 credits) Spring

Electives: minimum of 8 credits taken from the following classes
GEOG 330* - Airphoto Interpretation (5 credits) Fall
GEOG 411* - GIS: Programming and Automation (5 credits) Spring
GEOG 409 - Quantitative Methods (5 credits) Winter
GEOG 417 - Advanced GIS (4 credits) Spring
GEOG 430 - Remote Sensing (5 credits) Spring
GEOG 485 - Topics in GIS or Remote Sensing (up to 4 credits)
GEOG 496 - Independent study (GIS topics) (up to 4 credits)
GEOG 494 - Applied GIS Project (up to 4 credits)
GEOG 490 - Cooperative Education (GIS topics) (up to 4 credits)
Natural Resource Management Certificate – 22-25 credits
(Available Fall 2019 pending approval)

Core
Either GEOG 250(4) Resource Exploitation & Conservation
Or ENST 202(5) Ecosystems, Resources, Population, and Culture

1 Physical Environments Course
GEOG 450(5) Arid Environments
GEOG 451(5) Mountain Environments
GEOG 452(5) Coastal Environments
GEOG 454(5) Forest Environments

1 Environmental Geography Course
GEOG 361/461(5) Soils
GEOG 382/482(5) Hydrology
GEOG 383/483(5) Snow
GEOG 386/486(5) Geomorphology
GEOG 387/487(5) Biogeography
GEOG 388/488(5) Weather and Climate
GEOG 453(5) Riparian & Wetlands Analysis

1 Resource Geography Course
GEOG 305(5) Land Use Planning
GEOG 373(4) Water Resources
GEOG 442(5) Alternative Energy
GEOG 445(5) Environmental Law
GEOG 449(5) Env Hazard Analysis
GEOG 455(4) Pyrogeography
GEOG 456 (5) Recreation Geography
GEOG 458(4) People, Parks, & Protected Areas

1 Elective Course chosen from either the Environmental Geography or Resource Geography categories (4-5 credits)
Geography of the Pacific Northwest
GEOG 355-Spring 2019: Online

Learn about:
• Physical geography/geology
• Native American history
• Early settlement of the PNW
• The history of mining, logging, agriculture, and urbanization
• Current resource issues such as population growth, land use conflicts, deforestation, water allocation, energy production, transportation systems, ocean pollution, agricultural change, and invasive species
• A lot of flexibility to tailor this course to your individual interests!

Regional course for Geography BA, or upper-level elective for both Geography ERM BS and ENST-Geography BS.

Dr. Megan Walsh
Megan.Walsh@cwu.edu
Dean 308, 509-963-3699

Sponsored by the Geography Department

GEOG 361/461--Soils
10:00-10:50 MTuWTh (lecture)
& 1:00-2:50 Tu (lab)
Instructor: Dr. Karl Lilquist

We’ll cover:
- soil properties
- soil forming processes
- soil forming factors
- soil classification
- soil resource & environmental problems & prospects
- field & lab techniques & tools used to assess soils

Will include 5 Field Trips with:
- Lots of hands on experience assessing soils
- Opportunities to interact with soils professionals, farmers, and gardeners
GEOG 387/487: Biogeography

Lots of fun field trips! Hands-on lab exercises in the field!

Evolution of Plants and Animals on Earth

Island Biogeography

Speciation and Extinction

Patterns of Biodiversity

Contact: Dr. Megan Walsh (megan.walsh@cwu.edu)
Spring 2019: Lecture M-Th 11-11:50 pm Lab W 12-1:50 pm

Sponsored by CWU Geography Department

GEOG 411
GIS PROGRAMMING AND AUTOMATION

SPRING 2019
DR. STERLING QUINN
PREREQUISITE: GEOG 303 GIS AND DATA MANAGEMENT
GEOG 430/530: Remote Sensing

Spring 2019
Dr. Jennifer Lipton

Learn the theory, concepts, and methods behind digital image processing with Satellite Imagery

Monday – Thursday
10:00 – 10:50 am
Lab

Summer 2019
Summer 2019 GEOG Schedule – All Online

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Number</th>
<th>Section</th>
<th>Name</th>
<th>Instructor</th>
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<th>End</th>
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<tr>
<td>GEOG</td>
<td>101</td>
<td>A01</td>
<td>World Regional Geography</td>
<td>Craig Revels</td>
<td>06/17</td>
<td>07/26</td>
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<td>World Regional Geography</td>
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<td>A01</td>
<td>Our Dynamic Earth</td>
<td>Megan Walsh</td>
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<td>Michael Pease</td>
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<td>Our Human World</td>
<td>Elvin Delgado</td>
<td>06/17</td>
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<td>A01</td>
<td>Intro to GIS and Maps</td>
<td>Sterling Quinn</td>
<td>06/17</td>
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<tr>
<td>GEOG</td>
<td>355</td>
<td>A01</td>
<td>Geography of Pacific NW</td>
<td>Megan Walsh</td>
<td>06/17</td>
<td>07/26</td>
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Internships

- Various internships (paid & volunteer) offer valuable work experience
- **Examples:**
  - Kittitas County Planning & Public Works
  - Google
  - CWU Facilities
  - Wild Horse Wind Farm
  - Kittitas Valley Event Center
  - Washington Conservation Corps
Research Opportunities & Conferences

• Various opportunities with faculty
  – See our websites
  – Check for GIS projects in the GIS Lab
Research Opportunities & Conferences

- Various opportunities with faculty
  - See our websites
  - Check for GIS projects in the GIS Lab
- Useful to pad your resume & get reference letters
- Present findings your at conferences
  - Association of American Geographers, Washington DC, April 3-7
  - Association of Washington Geographers, Ellensburg, May 3-4
  - SOURCE, CWU, Ellensburg, May 15-16
  - Washington GIS Conference, Tacoma, May 20-23
  - North American Cartographic Information Society, Tacoma, October 16-19
CWU Students, Association of American Geographers Conference
Boston, 2017

Join Us in Washington, DC

Join fellow geographers, GIS specialists, environmental scientists, and other leaders for the latest in research and applications in geography, sustainability, and citizenship. The meeting will be held Wednesday, April 3, to Sunday, April 7, 2019, and will feature more than 3,000 presentations, posters, workshops, and field trips by leading scholars, experts, and researchers.
NACIS 39th Annual Meeting
Tacoma, Washington

October 16–19, 2019
Hotel Murano | 1320 Broadway, Tacoma Washington 98402

Love maps, data, visual storytelling, and cartographic design?
Make your plans now to participate in the annual meeting of the North American Cartographic Information Society in Tacoma, Washington. Join professionals and enthusiasts from government, commercial, and not-for-profit groups along with academics, scholars, map/GIS librarians, artists, technologists, and students in our 39th Annual Meeting.

Details on conference registration, special hotel rates, social events, keynote speakers, and more to be posted soon.
• Join the student Geography Club:
  – Movie Nights
  – Travel to Regional Conferences
  – End of Year Award BBQ
  – Game Nights
  – Outdoor Activities
  – Map-a-thons

Camaraderie

Geography’s Honor Society

To qualify for membership you must:
1. Have a GPA of at least 3.3 in geography courses, and an overall GPA higher than 3.3
2. Have completed at least 3 semesters or 5 quarters of full-time college course work
3. Pay one-time $40 membership fee

• Benefits: certificate, can wear honor cords at graduation, something for your resume, graduate school scholarships

Gamma Theta Upsilon
Careers

- Our graduates are working as:
  - Cartographers
  - Natural Resource Specialists
  - Environmental Field Technicians
  - GIS Analysts
  - City Planners

Graduate School

NW Geography Jobs

Central Washington University

Arizona State University

San Diego State University

Syracuse University

Utah State University

Tacoma

“Bike Nite” in Dr. Lillquist’s garage! Students from Geography, Environmental Studies, Cultural & Environmental Resource Management and other programs volunteered their time to repair old bikes donated to the Odd Fellows for distribution to kids in our community. Over a series of “Bike Nites”, students working with Dr. Karl Lillquist repaired 32 bikes and broke down 75 others to use for spare parts.

Every other Tuesday – the next one is January 29th at 7pm in Dr. Lillquist’s garage at 804 East Second Ave.

Association of Washington Geographers Spring Meeting
May 3-4, 2019
Dean Hall

- Paper & poster presentations
- Special guest speaker
- Field trips