School of Energy Resources

- Founded in 2006 by the Wyoming State Legislature
- Created to enhance UW’s energy-related education, research and outreach

Academics
Research
Outreach
Energy Resource Management & Development

- Bachelors of Science degree
- Designed to meet 21st century challenges through innovation in energy science
- Workforce-ready skills
- Multi-disciplinary curriculum
- Connect principles from the classroom to applications in the real world

Degree Requirements

- 128 credit hours
- Select a concentration
  - Professional Land Management
  - Fossil Fuels
  - Renewable Energy Engineering
  - Air, Land and Water Management
- Add a concurrent major or minor
Grade & GPA Requirements

- All classes must be passed with a grade of “C” or better
  - “C-” is not considered passing
- Minimum 2.0 GPA to be in good academic standing
- Minimum 3.0 GPA to meet energy companies requirements
  - Internships
  - Scholarships
  - International trips

Math Requirements

- Professional Land Management
  - Calculus I and II or
  - Business Calculus and Math Applications for Business
- Energy Air Land and Water Management
  - Calculus I
- Fossil Fuels
  - Calculus I, II, III and Differential Equations
- Renewable Energy
  - Calculus I, II, III and Differential Equations
Math Placement

• First math class at college is based on one of the following exams
  – ACT math score
  – SAT math score
  – Math placement exam score
• Math placement exam can be taken during optional activities

Minimum Math Requirement

• Students should be prepared to begin with College Algebra
• Students starting with a developmental math class are encouraged to study math during the summer
  – Pre-algebra
  – Algebra I
  – Algebra II
• Retake the math placement class at the beginning of the fall semester
Math Review Resources

- Math Placement Exam uwyo.edu/math/math-placement
- Accuplacer Study App
- Khan Academy  khanacademy.org
- Brigham Young University Independent Study Online Courses  elearn.byu.edu
  - MATH 097 Intermediate Algebra
- iTunes U
  - Harrisburg Area Community Colleges
  - Do not need to register for credit
- iBooks
  - Get Ready for Calculus

Advising

- Mandatory advising for all students
- SER students are assigned a staff advisor
  - Class schedules
  - Registration
  - Academic Progress
  - Career Planning
Successful College Students

• Take ownership of their academic career
• Recognize when they need help and ask for it
• Use available resources to help them succeed
• Develop new study habits
• Understand their financial aid package
• “Plug in” to campus

Take Ownership

• Make an informed decision about their major
• Read their UW email account every day
  – Respond appropriately
  – Organize their Inbox
• Learn how to use WyoWeb and WyoCourses
• Keep appointments with advisors and faculty
• Learn course scheduling
• Organization
• Academic day planner
• Three-ring binders – 1 for each class
Help!

- Recognize when there is a problem
- Learn about the resources available to help you
- Ask your
  - Advisor
  - RA
  - Instructors

Available Resources

- Your instructor
- Tutoring
- University Counseling Center
- University Disability Support Center
- Student Success Services
- Multicultural Affairs
- Your advisor
Develop New Study Habits

- Your high school study habits will not work in college!
- College Rule
  - 1 hour in class = 3 hours in study
- Set up study groups
- Read for content
- Learn concepts and how they apply
- Find 2 or 3 places to study
- Take notes in class and while you read

Financial Aid Package

- Understand the requirements of your financial aid package
- Minimum credit hours and grades
- Work with your parents
- Accept or decline your financial aid by deadlines
- Pay tuition and fees on time
- Work study
- Jobs available on campus
Professional Land Management Scholarships

- American Association of Professional Landmen
  - Competitive national scholarship
  - Minimum 3.0 GPA required
- Wyoming Association of Professional Landmen
- Denver Association of Petroleum Landmen
- Other PLM Associations

Scholarships and Fellowships

- Awards based on academic success and GPA
  - Nielson Energy Scholarship for Women and Minorities
  - Nielson Summer Bridge Scholarship
  - Nielson Scholars Award
  - James C. Nielson Transfer Student Scholarship
  - Nielson Professional Land Management Scholarship
  - York Future of Energy
- Anadarko Fellowship
  - Supports undergraduate research
“Plug in” to Campus

• Get involved!
• Join a Recognized Student Organization (RSO)
• Go to Half Acre Gym and exercise with a friend
• Attend Friday Night Fever events
• Outdoor Program
• Visit the UW calendar for event information

Professional Organizations

• Professional Land Management
  – American Association of Professional Landmen
  – Wyoming Association of Professional Landmen
  – Wyoming Student Chapter of Professional Land Managers
• Air, Land and Water
  – Restoration Outreach and Research (ROaRI)
• Fossil Fuels
  – Society of Petroleum Engineers
• Renewable Energy
  – Energy Resource Club
• Women Students
  – Society of Women Engineers
Internships & Research

- Students are required to complete at least 1 internship or undergraduate research project
- Undergraduate research projects encouraged
  - Fossil Fuels
  - Renewable Energy
  - Energy Air Land Water

Study Abroad

- Exchange program
  - University of Queensland, Australia
- Opportunities
  - Spain
  - Europe
  - China
- International Trips
Advising

• Students will have a fall semester schedule
• Parents – Questions?
  – See Pam Henderson after advising
  – Energy Innovation Center Room 338