



**Landman/Energy Management Program**

## AAPL Accreditation Application

Mr. Steve Soychak, Program Director

[ssoychak@coloradomesa.edu](mailto:ssoychak@coloradomesa.edu)

970.248.1246

Dominguez Hall 301J

1100 North Avenue, Grand Junction, CO 81501

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October 10, 2016

AAPL Accreditation Committee  
Marc Acree, CPL, Chairman  
Jason Maloy, CPL, Assistant Chairman  
Christopher Halaszynski, Director of Education & Member Services  
AAPL America's Landmen  
800 Fournier Street  
Fort Worth, Texas, 76102

Dear AAPL Accreditation Committee:

Attached for your consideration is the application for AAPL accreditation of Undergraduate-Level Degree for Colorado Mesa University's Energy Management/Landman program. The program commenced 10 years ago under the Department of Business with 8 students and has grown to over 61 students in 2016. The advisory committee for the program has met and assembled the following documents to support the application for accreditation:

- 1.) Application for APPL Accreditation (see highlighted boldfaced for requirements met)
- 2.) Attached letters of Support from Industry partners, community organizations, and governmental representatives
- 3.) 2016-2017 Petition/Program sheet
- 4.) Syllabi for over 30 credit hours of specific EMGT courses we offer in the program and 4 for Physical Geology
- 5.) Resumes of the current and past instructors
- 6.) A receipt for the credit card payment of \$500 for the application fee

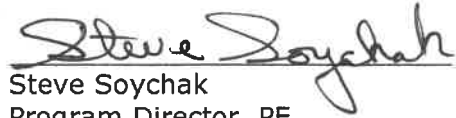
This program has graduated some outstanding students over the years who are working as landmen and in other capacities in the energy industry. As you can see from the support letters from both industry and community members, the energy resources in Western Colorado are a world class asset which includes the Piceance basin's tight gas sands, Mancos/Niobrara shale gas, Green River Mahogany oil shale, uranium, and coal reserves. When you combine all of this resource potential, Western Colorado has some of the largest energy resources in the world. Due to large resource potential, a few years ago CMU established the Unconventional Energy Center to help fund energy related projects in Western Colorado.

Many energy professionals live in Western Colorado and contribute their time and money to our program. In addition, we sit only 25 miles from the Utah border where there are some significant oil and gas fields in the Uinta Basin. Many of our interns and graduates go to work in the Rocky Mountain Region which includes the Williston, DJ, Green River, Piceance, and Uinta Basins.

This past year many of our students attended the Colorado Oil & Gas Association's Annual Rocky Mountain Summit in August, Vail Global Energy Conference in January, and last year's Denver NAPE conference. We look forward to seeing you all in Denver for the NAPE conference in October of this year.

If you have any questions related to this application and to propose a site visit, contact the Program Director, Steve Soychak at 970-216-0922.

Respectfully:  
Colorado Mesa University  
Energy Management/Landman Advisory Board



Steve Soychak  
Program Director, PE  
Energy Management/Landman  
Colorado Mesa University



Chuck Shear, Landman CPL  
Advisory Board Chair



Dennis Randleman, Landman, CPL  
Advisory Board Member



Stephen Smith, Landman, former CPL  
Advisory Board Member



Jim Colosky, JD  
Advisory Board Member



David Ludlam  
Advisory Board Member  
Executive Director of the Colorado Oil and Gas Association



Morgan Bridge  
Advisory Board Member, PHD  
Department of Business Professor

**American Association of Professional Landmen**

800 Fournier Street, Fort Worth, TX, 76102, USA

Phone: 817.847.7700

**ACKNOWLEDGEMENT**

Date: 13-Oct-2016

Ship-To: 00113808-0

Order Number: 1000557973

Order Date: 12-Oct-2016

Colorado Mesa University - Energy Management/Landman Program

Attn: Dr. Morgan Bridge

1100 North Ave

Grand Junction, CO 81501-3122

**Invoice No****Product****Ship Customer****Fulfil Status****Status****Qty****Unit Price****Unit  
Discount****Coupon****Adjustment****Total****Next Due Date****Next Due Amount**

0000106332

AAF-AAPL Accreditation Fee

Active

Active

1

500.00

0.00

0.00

0.00

500.00

Shipping:

0.00

Tax:

0.00

Order Total :

500.00

Paid or already charged to CC:

-500.00

**Credit Card Information:**

\*\*\*\*\*9842

## **Summary of Colorado Mesa University Bachelor of Business Administration Concentration in Landman/Energy Management**

The Bachelor of Business Administration (BBA) degree in Landman/Energy Management allows Colorado Mesa University to play an integral role in the developing worldwide energy industry. Students have the opportunity to acquire business knowledge and skills as well as basic knowledge in the areas of geology, engineering, environmental sciences, marketing, energy management, and title. We offer 30 credit hours of Landman/Energy Management classes which are required for graduates in the program.

This BBA program was initiated in 2007 using professors with vast industry experience teaching the Landman/Energy Management courses. The program began with approximately 10 students per class and has grown to the current 15 to 25 students per class. Today, approximately 61 students are in the Landman/Energy Management Program. During the past five years, 74 students have graduated and 10 certificates have been earned by students furthering their college education and professionals in the industry. The majority of graduates are employed in the Oil and Gas industry with some in renewables and utilities. Many work as Landmen for brokerage firms and E&P companies. Others have found employment in the service industry, field operations, environmental/regulation, and downstream marketing/finance. Some graduates are working in corporate offices in Houston and Denver. Due to the practical and field experience of the adjunct faculty, these students receive a hands-on education of the Energy Industry. We have some of the largest natural gas fields (Piceance Basin) in the US within 40 minutes of campus where many students take both Geologic and operational field trips to experience the lay of the land and drilling/completion/production operations. Numerous guest lecturers provide students exposure to professionals that work day to day in the industry.

The vision for the future is to prepare students for the continual technological changes the Industry is currently experiencing. Partnerships with service companies to educate students on computer land database management which includes preparing/inputting land titles and GIS mapping of surface/subsurface mineral estate have occurred. With the advent of the Shale Gas/Oil revolution and increased environmental regulation in the past few years, many more challenges lie ahead to further educate students in this dynamic industry. It is also important to continue to educate students on the basics of this industry to lay a foundation for the innovative improvements to come. With the proximity to federal land in Western Colorado, the Program will also continue to emphasize the understanding of the NEPA process and how the stakeholder process has changed since its inception in 1970. Colorado Mesa University Bachelor of Business Administration Landman/Energy Management students are well-prepared to play an integral role in the dynamic and exciting Energy Industry.

## *Application Criteria Presentation*

Following are examples and evidentiary statements demonstrating that the Colorado Mesa University Landman/Energy Management has met the minimum criteria set forth by AAPL for AAPL Program Accreditation. Each criterion is specifically addressed with additional evidentiary documentation provided.

Due to the location of the CMU Landman/Energy Management Program, the need for the program based upon the given geographic region is also documented. This is further substantiated by numerous letters from Industry and the Congressional Representative Scott Tipton. The CMU program is definitively providing a needed resource for both students and local employers. The CMU Landman/Energy Management Program is eager to demonstrate the value it has provided in response to Industry need and the value the Program will continue to provide for the future Energy Industry. Letters of support from Industry (located in Tab 4) also demonstrate the importance and the need for this Program.

The minimum criteria to be considered include:

1. *The university or college must be regionally accredited by one of the 6 regional governing agencies of the US Department of Education:*
  1. *Middle States Association of Colleges and Schools*
  2. *New England Association of Schools and Colleges*
  3. *North Central Association of Colleges and Schools*
  4. *Northwest Accreditation Commission*
  5. *Southern Association of Colleges and Schools*
  6. *Western Association of Schools and Colleges*

**Colorado Mesa University is accredited by the Higher Learning Commission, (formerly known as North Central Association), with reaffirmation of accreditation occurring in 2013-2014. Colorado Mesa University, which was formerly known as Mesa State College, was originally granted its first accreditation April 5, 1957.**

2. *A structured for-college-credit program resulting in a minimum of a Bachelor's degree, may be evaluated by the AC for AAPL Accreditation (final approval/denial resides with the ExCom). This requirement may also be satisfied when a Program is not designated as a major within a university but is a 'Concentration/Certificate' in Energy Management/Commerce, Petroleum Land Management or the like within the university.*

**The Landman/Energy Management Program is designated as a four-year Bachelor of Business Administration Program with a 30 credit-hour concentration in Landman/Energy Management. The program offered its first courses in Fall of 2007. Currently, the program has graduated 74 four-year graduates and 10 certificate graduates with 60 students currently in the program. Please see the program sheet for current requirements of the Landman/Energy Management program which further details the coursework required. (See Tab 8).**



3. *The program must include courses in business, law, geology, and engineering. Associated and generally accepted courses that Programs have cited in the past are listed below. The following specific credit hours are set as a suggested minimum benchmark; it is expected that the Program maintain the courses detailed below. A significant percentage of total hours for the degree must be in these focus areas. The AC and ultimately the ExCom will also consider the opportunity for cross-discipline study with students from these disciplines.*

- *Petroleum Land Management curricula (minimum 3 credits):*
  - *Professional Landman Development*
  - *Practical Issues in Energy Management*
  - *Exploration and Production*
  - *Title Research and Verification (chain of title)*
  - *Natural Resources and Mining Land Resource Management*
  - *Public and Federal Land Management*
  - *Oil and Gas/Energy Industry Fundamentals*
  - *Marketing and Transportation*
  - *Business Ethics*
- *Law (to include but not limited to: Contract Law, Oil and Gas/Property Law and Real Estate, Environmental Law) – 9 credits*
  - *Although the presence of a Law school at the applying college or university is not required to be considered for AAPL Accreditation, the presence of a Law school that is affiliated, on campus and open to a working relationship with the PLM/EM Program faculty/staff, is advantageous to leverage within the PLM/EM Program and will be a beneficial consideration point by AAPL*
- *Petroleum Engineering – 4 credits*
  - *Similar to the Law school sub-point noted above, it will be a beneficial consideration point by AAPL*
- *Petroleum Geology – 4 credits*
  - *Similar to the Law school sub-point noted above, it will be a beneficial consideration point by AAPL*
- *Petroleum Finance/Economics – 9 credits*
- **Note:** *Some of the above listed courses may be exchanged for similar named or similar content curriculum and shall be approved by the AC. This request should be specifically cited in the application for AAPL Accreditation.*

**The following paragraphs demonstrate how the CMU Landman/Energy Management Program meets and exceeds the criteria listed in program delivery. Located in Tab 9 are syllabi for all courses listed with a cover sheet providing more detailed information on content delivered in the EMGT courses.**

**Program Land Management Curriculum (3 hours minimum) content is found in EMGT 101 Energy Management Fundamentals and EMGT 201 Land Management Fundamentals with additional content covered in EMGT 350 Energy Development, Transportation and Markets. Students receive over 6 hours of content in Professional Landman Development, Practical Issues in Energy Management, Exploration and Production, Title Research and Verification, Public and Federal Land Management, Oil and Gas/Energy Industry Fundamentals, and Marketing and Transportation. In January 2016, the Department of Business at Colorado Mesa University was awarded the Daniels Fund Ethics Initiative Grant. Based upon the activity surrounding this grant, business ethics is now taught across the curriculum so that students receive ethics education in principle-based ethics in all business functional areas. This insures that each semester, students are exposed multiple times to business ethics in a variety of courses.**



Students receive over 3 hours of content in Program Land Management through the courses listed by the conclusion of the Program.

Law (9 hours minimum) content is the focus of EMGT 360 Real Property, Oil and Gas Law which has been taught continuously by lawyers that have worked in Oil and Gas Law. Nathan Keever is currently teaching this course and is a noted Oil and Gas Lawyer in the Region. Jim Colosky who taught this course previously had over 30 years of experience in Oil and Gas Law at the Regional level. Students are also required to take Bugb 349 Legal Environment of Business where contract law is a primary component of the curriculum. In addition, EMGT 201 Land Management Fundamentals, EMGT 440 Energy Land Practices I and EMGT 450 Energy Management Land Practices II and EMGT 410 Energy Regulation and Compliance also contain Law content. Students receive over 9 hours of content in Law by the conclusion of the Program.

The 4 hours of content in Petroleum Engineering is met through EMGT 355 Landman-Geo-Petrol-Engineering. Mr. Steve Soychak is currently teaching this class and with over 36 years of experience as a petroleum engineer, the class covers this content. In addition, EMGT 101 Energy Management Fundamentals, EMGT 350 Energy Development, Transportation and Markets, EMGT 410 Energy Regulations and Compliance, also contain content in Petroleum Engineering. Student receive over 4 hours of content in Petroleum Engineering by the conclusion of the program.

The students receive over 4 hours of content in Petroleum Geology. EMGT 355 Landman-Geo-Petrol-Engineering includes geology content by definition. In addition, GEOL 111 and GEOL 111 Physical Geology with a Geology Lab is required of all Landman/Energy Management students. EMGT 101 Energy Management Fundamentals, EMGT 350 Energy Development, Transportation and Markets also cover Petroleum Geology. A noted Geologist has guest lectured for several class periods in numerous courses since the beginning of the Program, and then subsequently each year guided the students on an all-day field trip where the specific geology of the region is not only discussed but shown. This hands-on application has been instrumental in the geology knowledge acquisition needed by the students. Students receive over 4 hours of content in Petroleum Geology by the conclusion of the program.

Petroleum Finance/Economics content is covered in EMGT 355 as students determine the cost/benefit analysis of drilling and completing a well. EMGT 496 Energy Economics covers the topic of economics in depth. In EMGT 340 Energy Fundamentals and EMGT 494 Energy Senior Seminar, Petroleum Finance and Economics is also covered. FINA 301 Finance is also a required class. Students receive over 9 hours of content in Petroleum Finance and Economics by the conclusion of the program.

Syllabi for the above courses are located in Tab 9 and will further demonstrate coverage of the required AAPL content.

4. *The program must also include the following courses as part of the total 120 minimum hours of core curricula/electives:*
- *Statistics I and II/Logic (minimum of 3-6 credits)*
  - *Risk Management/Investment Analysis/Finance (minimum of 3-6 credits)*
  - *Management/Marketing (minimum of 3-6 credits)*
  - *Accounting I and II (minimum of 3-6 credits)*
  - *Micro/Macro Economics (minimum of 6 credits)*
  - *Business Calculus (minimum of 3 credits)*
  - *Negotiations (minimum of 3 credits)*
  - ***Note:*** *Some of the above listed courses may be exchanged for similar named or similar content curriculum and shall be approved by the AC. This request should be specifically cited in the application for AAPL Accreditation.*

**The following paragraphs demonstrate how the CMU Landman/Energy Management Program meets and exceeds the criteria listed in program delivery. Located in Tab 9 are syllabi for all courses listed that provide more detailed information on content delivered in these courses.**

**Students receive over 3 content hours in Statistics I and II in the Landman/Energy Management Program. CISB 241 Intro to Business Analysis and CISB 341 Quantitative Decision Making are required courses in the curriculum. Students receive over 3 hours of content in Statistics I and II by the conclusion of the program.**

**Risk Management/Investment Analysis/Finance are covered in FINA 310, Risk Management, FINA 320 Investments and FINA 301 Finance. Investment knowledge, including derivatives and hedging is covered in FINA 320 Investments. FINA 301 is a program requirement while FINA 320 and FINA 310 are chosen electives. Students receive over 3 hours of content in Risk Management, Investment Analysis/Finance by the conclusion of the program.**

**MARK 231 Principles of Marketing and MANG 201 Principles of Management are required courses in the program. Student receive over 3 hours of Management/Marketing by the conclusion of the program.**

**ACCT 201 Principles of Accounting and ACCT 202 Principles of Managerial Accounting are required courses in the program. Students receive over 3 hours of content in Accounting by the conclusion of the program.**

**ECON 201 Principles of Macroeconomics and ECON 202 Principles of Microeconomics are required courses in the program. Students receive six hours of content in Economics by the conclusion of the program.**

**Students are required to take Math 113 College Algebra and CISB 341 Quantitative Decision Making as program requirements. EMGT 355 Landman GEO-Petrol Engineering and EMGT 440 Energy Land Practices I also require the needed math skills. As such students receive over 3 hours of content in Business Calculus by the conclusion of the program.**

**MANG 410 Effective Workplace Communications was developed with the Landman/Energy Management Program in mind. Negotiation skills are a focus of this class with specific Energy examples/assignments used. EMGT 440 Energy Land Practices I and Energy Land Practices II also include this content. As such students receive over 3 hours of content in Negotiations by the conclusion of the program.**

5. *The Program must demonstrate a record of support by the energy industry in order to be considered for approval. Although this may take different forms, the following points must be considered, cited and specific examples provided in the completed application.*

*a. Financial support from the industry for the program including:*

- i. Internships – Employment*
- ii. Full-time recruitment – Employment*
- iii. Career Advancement*
- iv. Guest professors / workshops*
- b. Student Landman Association*
- c. Local Landman Association Support*
- d. Landman Scholarships*
- e. Mentoring Program*
- f. Field Trips*
- g. AAPL Involved Activities*

6. *NAPE Involvement*

The Colorado Mesa University Landman/Energy Management Program has been enthusiastically supported by Industry. Fifteen letters from industry have been included demonstrating Industry support for the Program. Letters from Congressman Scott Tipton, DAPL, the Mesa County Commissioners, Encana, Terra and Laramie Energy are included. For the complete listing see Tab 4. Scholarships have been provided, General Fund dollars provided, Guest Speakers in numerous classes provided, Lecturers provided, Field trips to a variety of energy and energy-related sites provided and internships have all been provided. In addition, the Landman/Energy Management Advisory Board has actively supported the program, as demonstrated by the opening letter in the application. The CMU Landman/Energy Management Program is critical to Energy Development in the area as demonstrated above.

Internships have occurred with multiple businesses, often leading to employment upon graduation. WPX, the Bureau of Land Management, Wolcott, LLC, and Mineral Resources are just a few of the businesses that have provided Internships for students. See Tab 6 for a more complete listing. Success stories revolve around several students, who after completing their Internships, were then offered jobs by that organization upon graduation.

Full-time employment in the industry has been accomplished by the majority of students, even the last two years while energy prices have remained low. Noble Energy, Chevron, Encana, and WPX are just a few of the companies that have hired graduates of the program. Due to the quality of graduates, companies like Encana and WPX have several program alumni now working for their organizations.

The program has had a plethora of guest speakers who have conducted guest lectures and/or workshops. Larry Moyer, a noted Geologist has both conducted guest lectures and then also presented hands-on field trips as he conducted a field trip for students around differing areas in Western Colorado to study the geology of the energy industry. Patrick Green, the County Surveyor has guest lectured on chaining title in Mesa County. David Ludlum, the Executive Director for WSCOGA has guest lectured numerous times on current issues facing the Industry before teaching a class this last spring. Jeff Kirkland, WPX

Energy has also presented as a guest lecturer. See Tab 6 for a more complete listing of guest speakers.

The students have formed and are actively involved in the Landman/Energy Management Club at Colorado Mesa. The club is a recognized campus club that meets at least monthly with frequent guest presenters as well as fundraising events. The largest fundraiser that students engage in each year is the yearly Trap Shoot. This has become a successful event, bringing students and local industry representatives together and raising money for the club.

There is no local Landman Association in Grand Junction. However, the DAPPL has been very supportive, sending over the College Liaison at least once a year, the last two years. The Liaison has met with the Landman/Energy Management Club, conducted workshops and involved students in the local golf tournament. Industry has provided over \$660,000 in support of the program, with approximately \$225,000 going directly to scholarships.

Industry has been very supportive of the program, providing over \$225,000 in scholarships since the inception of the program, with over 50 students receiving scholarships. The Landman/Energy Management Program has received more scholarship dollars from Industry than any other discipline in the Business Program.

The mentoring program is active. An advantages of using practicing Landman/Energy Management Professionals is that these professionals then become mentors for students. Bryan Hotard is but one example. As he teaches the EMGT 440 Energy Land Practices I and EMGT 450 Energy Land Practices II he is also able to provide mentoring and access to other professionals who serve as mentors. Jim Colosky and Dennis Randleman are other examples of the outstanding mentors who have also provided connections with students to other professionals. The Landman/Energy Management Advisory Group has and continues to provide unique and valuable mentoring to students.

Due to the unique location and the support of local industry, Landman/Energy Management students have opportunity for numerous fields trips. Students have gone on field trips to the geological formations in Colorado/Utah, have been on drilling rigs on a WPX site, have been to a hydrology site, a coal mine, a solar farm and a wind farm. Within two hours of Colorado Mesa University, students can experience hands-on experiences with a variety of energy production, a unique aspect of the Program.

Students have attended NAPE in Houston and Denver. For the last two years and again this year, the Program Director and approximately 10 students will be attending the NAPE conference in Denver. In 2014, six students and the Program Director attended the NAPE conference in Houston. Students have come back from these events with new ideas and a plethora of new industry connections.

See Tab 6 for more evidentiary statements for this criterion.



7. *The program must have a full-time university or college approved faculty representative or Director.*

***The full-time Program Director is Mr. Steve Soychak who has supported and taught in the program since its inception in 2007.***

8. *The Program must have a sufficient quantity of students for a viable student association and networking opportunities:*
- a. *A student organization must be academically acknowledged/approved at that particular college or university that provides education, networking and future opportunities in the energy industry.*
  - b. *A student organization must have an active internship program supported by local and/or national industry representation.*
    - i. *Although it is not required for AAPL Accreditation, a student organization would certainly benefit to have an active mentoring program supported by local and/or national industry representation.*

**The Landman/Energy Management Club is an organized club recognized and recorded as such at Colorado Mesa University. It is also a club recognized by the Business Department as a club supported by the Department. The Club regularly hosts guest speakers, engages in fund raising and works with the local DAPL and WCOGA organizations which allows students amazing opportunities to network with professionals in the Industry and to see the importance of such professional organizations to the development of individual careers. Many of the guest speakers address current key events in the Industry and present future opportunities that will be available for students upon graduation.**

**The Landman/Energy Management Program has a very active internship program that is supported by the students, the faculty, the Department and the industry. The Landman Advisory Group has also been instrumental in finding internship opportunities for students.**

9. *All students in the program must be student members of AAPL.*

**All students in the program are currently student members of AAPL.**

10. *A five hundred dollar (\$500) non-refundable application fee shall be due at the time of submission of the completed application to AAPL*

**The receipt for the credit card payment follows this page.**

# **Industry Letter of Support**

## **Congressman Scott Tipton**



**Congress of the United States**  
**House of Representatives**  
**Washington, DC 20515-0603**

October 5, 2016

American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street Ft. Worth, TX 76102

Dear AAPL Accreditation Committee:

As the representative for the 3rd Congressional District of Colorado, I am pleased to support the Colorado Mesa University's Land & Energy Management Program (CMU) accreditation with the American Association of Professional Landmen.

In June 2016, the U.S. Geological Survey announced the Mancos Shale of the Piceance Basin contained up to 100tcf of technically recoverable natural gas. Using the upper end of the agency's review range their announcement makes the Piceance Basin likely the nation's largest shale gas reserve. In addition, the Piceance Basin's traditional formations within the shallower coal seams and sandstones truly set the basin apart when considering the sheer volume of recoverable natural gas reserves. Unlike other basins around the nation, the Piceance contains complex patchworks of fee, federal, state and tribal lands with a myriad of regulatory and social considerations unique to the Rocky Mountains.

CMU has a broad-base of support from exploration and production companies to midstream operators, vendors and consultants. Having a local, accredited program that can tailor its educational efforts, field-work and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments. Colorado Mesa University also hosts the Unconventional Energy Center - a \$3.2 million dollar endowment seeking to enhance curriculum and the student experience in energy related programs. In this regard, the Land & Energy Management Program is aligned with a unique source of additional curriculum and institutionally enhancing monies that will allow the program to grow and thrive in the future.

Again, I would like to reiterate my support the CMU accreditation. This will be critical for the future exploration and development of the Piceance Basin and other projects for economic prosperity in western Colorado. To that end, I respectfully encourage a comprehensive and fair review of the CMU accreditation request. Thank you for your time and efforts.

Sincerely,



Scott R. Tipton  
Member of Congress  
3<sup>rd</sup> District-Colorado

# **Industry Letter of Support**

## **Denver Association of Petroleum Landman**



## DENVER ASSOCIATION OF PETROLEUM LANDMEN

535 16<sup>TH</sup> Street, Suite 850

Denver, Colorado 80202

Telephone (303) 446-2253

Fax (303) 535-9701

[dapl@dapldenver.org](mailto:dapl@dapldenver.org)

[www.dapldenver.org](http://www.dapldenver.org)

October 10, 2016

American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,

In June 2016 the U.S. Geological Survey announced the Mancos Shale of the Piceance Basin contained up to 100tcf of technically recoverable natural gas. Using the upper end of the agency's review range their announcement makes the Piceance Basin likely the nation's largest shale gas reserve. In addition, the Piceance Basin's traditional formations within the shallower coal seams and sandstones truly set the basin apart when considering the sheer volume of recoverable natural gas reserves.

The area's incredible potential can only manifest itself with a workforce who understands the unique operating environment in Western Colorado. Unlike other basins around the nation the Piceance contains complex patchworks of fee, federal, state and tribal lands with a myriad of regulatory and social considerations unique to the Rocky Mountains. Western Colorado's socioeconomic considerations are also unique. The complexities of the operating environment requires land professionals who live, work and are trained within an institution close to the resource assets and within communities where first-hand knowledge and understanding about federal lands, split estate and other challenging nuances are the norm -not the abstract exception.

Colorado Mesa University's Land & Energy Management Program has a broad-base of support from exploration and production companies to midstream operators, vendors and consultants. Having a local, accredited program that can tailor its educational efforts, field-work and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments. Colorado Mesa University also host the Unconventional Energy Center -a \$3.2-million-dollar endowment seeking to enhance curriculum and the student experience in energy related programs. In this regard the Land & Energy Management Program is aligned with a unique source of additional curriculum and institutionally enhancing monies that will allow the program to grow and thrive in the future.

Please accept this letter as our wholehearted support for AAPL's accreditation of the program moving forward.

Sincerely,

Austin S. Brewer

President, 2016-17

Denver Association of Professional Landmen

# **Industry Letter of Support**

## **Associated Governments of Northwest Colorado**



ASSOCIATED GOVERNMENTS  
OF NORTHWEST COLORADO

July 26, 2016

American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,

Associated Governments of Northwest Colorado (AGNC) is an organization representing local county and municipal governments from seven (7) counties in Northwest Colorado. Our counties encompass much of the Piceance Basin area and energy development from that basin has been an integral part of our fiber and culture for more than 100 years. In June 2016 the U.S. Geological Survey announced the Mancos Shale of the Piceance Basin contained up to 100tcf of technically recoverable natural gas. Using the upper end of the agency's review range their announcement makes the Piceance Basin likely the nation's largest shale gas reserve.

In addition, the Piceance Basin's traditional formations within the shallower coal seams and sandstones truly set the basin apart when considering the sheer volume of recoverable natural gas reserves.

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Western Colorado's socioeconomic considerations are also unique. The complexity of the operating environment requires land professionals who live, work and are trained within an institution close to the resource assets and within communities where first-hand knowledge and understanding about federal lands, split estate and other challenging nuances are the norm -not the abstract exception.

Colorado Mesa University's Land & Energy Management Program has a broad-base of support from exploration and production companies to midstream operators, vendors and consultants. Having a local, accredited program that can tailor its educational efforts, field-work and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments.

Colorado Mesa University also hosts the Unconventional Energy Center -a \$3.2-million-dollar endowment seeking to enhance curriculum and the student experience in energy related programs. In this regard the Land & Energy Management Program is aligned with a unique source of additional curriculum and institutionally enhancing monies that will allow the program to grow and thrive in the future.

Please accept this letter as AGNC's wholehearted support for AAPL's accreditation of the program moving forward. If you have any questions, please contact our Executive Director, Bonnie Petersen, at 970-285-7630, ext. 109. Thank you for your consideration of our comments.

Sincerely,



Jeffrey Eskelson, Chairman  
Rio Blanco County Commissioner



Martin Chazen, Vice-Chairman  
Mayor Pro-Tem, City of Grand Junction



# **Industry Letter of Support**

## **Colorado Oil & Gas Association**



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1800 GLENARM PLACE

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SUITE 1100

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DENVER, CO 80202

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Phone 303.861.0362

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WWW.COGA.ORG

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July 29, 2016

American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,

In June 2016 the U.S. Geological Survey announced the Mancos Shale of the Piceance Basin contained up to 100tcf of technically recoverable natural gas. Using the upper end of the agency's review range their announcement makes the Piceance Basin likely the nation's largest shale gas reserve.

In addition, the Piceance Basin's traditional formations within the shallower coal seams and sandstones truly set the basin apart when considering the sheer volume of recoverable natural gas reserves.

The area's incredible potential can only manifest itself with a workforce who understands the unique operating environment in Western Colorado. Unlike other basins around the nation the Piceance contains complex patchworks of fee, federal, state and tribal lands with a myriad of regulatory and social considerations unique to the Rocky Mountains.

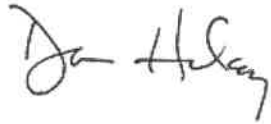
Western Colorado's socioeconomic considerations are also unique. The complexity of the operating environment requires land professionals who live, work and are trained within an institution close to the resource assets and within communities where first-hand knowledge and understanding about federal lands, split estate and other challenging nuances are the norm -not the abstract exception.

Colorado Mesa University's Land & Energy Management Program has a broad-base of support from exploration and production companies to midstream operators, vendors and consultants. Having a local, accredited program that can tailor its educational efforts, field-work and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments.

Colorado Mesa University also host the Unconventional Energy Center -a \$3.2-million-dollar endowment seeking to enhance curriculum and the student experience in energy related programs. In this regard the Land & Energy Management Program is aligned with a unique source of additional curriculum and institutionally enhancing monies that will allow the program to grow and thrive in the future.

Please accept this letter as our wholehearted support for AAPL's accreditation of the program moving forward.

Sincerely,

A handwritten signature in dark ink, appearing to read "Dan Haley". The signature is fluid and cursive, with the first name "Dan" and last name "Haley" clearly distinguishable.

Dan Haley  
President and CEO

**Industry  
Letter of Support**

**Mesa County  
Board of County Commissioners**



## **COLORADO**

### **BOARD OF COUNTY COMMISSIONERS**

District 1 - John Justman	970-244-1605
District 2 - Scott McInnis	970-244-1604
District 3 - Rose Pugliese	970-244-1606

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P.O. Box 20,000 544 Rood Avenue Grand Junction, Colorado 81502-5010 mcbocc@mesacounty.us Fax (970) 244-1639

July 26, 2016

American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street Ft. Worth, TX 76102

Re: Support Colorado Mesa University's Energy Management Program

Dear AAPL Accreditation Committee,

The Mesa County Board of County Commissioners submits this Letter of Support for the Colorado Mesa University's Land & Energy Management Program.

In June of 2016, the U.S. Geological Survey announced the Mancos Shale of the Piceance Basin contained up to 100tcf of technically recoverable natural gas, which makes the Piceance Basin likely our nation's largest shale gas reserve.

Mesa County, along with our surrounding Western Colorado counties, will require a workforce who understands the unique operating environment in Western Colorado. Unlike other basins around our nation, the Piceance contains intricate patchworks of fee, federal, state and tribal lands with a myriad of regulatory and social considerations unique to the Rocky Mountains.

The complexity of the operating environment requires land professionals who live, work and are trained within an institution close to the resource assets and within communities where first-hand knowledge and understanding about federal lands, split estate, and other challenging nuances

Colorado Mesa University's Land & Energy Management Program has a broad-base of support from exploration and production companies to midstream operators, vendors, and consultants. Having a local, accredited program that can tailor its educational efforts, fieldwork and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments.

Colorado Mesa University also hosts the Unconventional Energy Center, a \$3.2-million-dollar endowment seeking to enhance curriculum and the student experience in energy related programs. In this regard, the Land & Energy Management Program is aligned with a unique source of additional curriculum and institutionally enhancing monies that will allow the program to grow and thrive in the future.

Thank you for the opportunity to provide this Letter of Support from the Mesa County Commissioners regarding Colorado Mesa University's Land & Energy Management Program.

Sincerely,



Rose Pugliese, Chair  
Board of County Commissioners



John Justman  
Commissioner

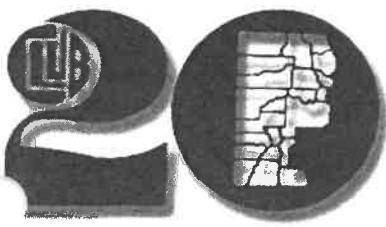


Scott McInnis  
Commissioner



# **Industry Letter of Support**

## **Club 20**



*"Voice of the Western Slope since 1953"*  
*A coalition of counties, communities, businesses & individuals*

(970) 242-3264 ★ FAX (970) 245-8300  
P.O. Box 550 ★ Grand Junction, CO 81502-0550  
[www.club20.org](http://www.club20.org)

July 26, 2016

American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,

In June 2016 the U.S. Geological Survey announced the Mancos Shale of the Piceance Basin contained up to 100tcf of technically recoverable natural gas. Using the upper end of the agency's review range their announcement makes the Piceance Basin likely the nation's largest shale gas reserve.

In addition, the Piceance Basin's traditional formations within the shallower coal seams and sandstones truly set the basin apart when considering the sheer volume of recoverable natural gas reserves.

The area's incredible potential can only manifest itself with a workforce who understands the unique operating environment in Western Colorado. Unlike other basins around the nation the Piceance contains complex patchworks of fee, federal, state and tribal lands with a myriad of regulatory and social considerations unique to the Rocky Mountains.

Vestern Colorado's socioeconomic considerations are also unique. The complexities of the operating environment requires land professionals who live, work and are trained within an institution close to the resource assets and within communities where first-hand knowledge and understanding about federal lands, split estate and other challenging nuances are the norm -not the abstract exception.

Colorado Mesa University's Land & Energy Management Program has a broad-base of support from exploration and production companies to midstream operators, vendors and consultants. Having a local, accredited program that can tailor its educational efforts, field-work and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments.

Colorado Mesa University also host the Unconventional Energy Center -a \$3.2-million-dollar endowment seeking to enhance curriculum and the student experience in energy related programs. In this regard the Land & Energy Management Program is aligned with a unique source of additional curriculum and institutionally enhancing monies that will allow the program to grow and thrive in the future.

Please accept this letter as our wholehearted support for AAPL's accreditation of the program moving forward.

Sincerely,

Christian Reece  
Executive Director

# **Industry Letter of Support**

## **Black Hills Exploration and Production**



1515 Wynkoop St. • Suite 500  
Denver, CO 80202  
Tel: 720.210.1300  
Fax: 303.566.3345

July 30, 2016

American Association of Professional Landmen  
Accreditation Committee and Chair  
800 Fournier Street Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,

In June 2016, the U.S. Geological Survey announced the Mancos Shale of the Piceance Basin contained up to 100tcf of technically recoverable natural gas. Using the upper end of the agency's review range, their announcement makes the Piceance Basin likely the nation's largest shale gas reserve.

In addition, the Piceance Basin's traditional formations within the shallower coal seams and sandstones truly set the basin apart when considering the sheer volume of recoverable natural gas reserves.

The area's incredible potential can only manifest itself with a workforce that understands the unique operating environment in Western Colorado. Unlike other basins around the nation, the Piceance contains complex patchworks of fee, federal, state and tribal lands with a myriad of regulatory and social considerations unique to the Rocky Mountains.

Western Colorado's socioeconomic considerations are also unique. The complexity of the operating environment requires land professionals who live, work and are trained within an institution close to the resource assets and within communities where first-hand knowledge and understanding about federal lands, split estate and other challenging nuances are the norm, not the abstract exception.

Colorado Mesa University's Land & Energy Management Program has a broad-base of support from exploration and production companies to midstream operators, vendors and consultants. Having a local, accredited program that can tailor its educational efforts, field-work and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments.

Colorado Mesa University also hosts the Unconventional Energy Center - a \$3.2-million-dollar endowment seeking to enhance curriculum and the student experience in energy related programs. In this regard the Land & Energy Management Program is aligned with a unique source of additional curriculum and institutionally enhancing monies that will allow the program to grow and thrive in the future.

Please accept this letter as Black Hills' support for AAPL's accreditation of Colorado Mesa University's program moving forward.

Sincerely,

A handwritten signature in dark ink, appearing to read 'John H. Benton', is written over a horizontal line.

John H. Benton

Vice President and General Manager  
Black Hills Exploration and Production



# **Industry Letter of Support**

## **Encana**

July 27, 2016

American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,

In June 2016 the U.S. Geological Survey announced the Mancos Shale of the Piceance Basin contained up to 100tcf of technically recoverable natural gas. Using the upper end of the agency's review range their announcement makes the Piceance Basin likely the nation's largest shale gas reserve.

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Colorado Mesa University's Land & Energy Management Program has a broad-base of support from exploration and production companies to midstream operators, vendors and consultants. Having a local, accredited program that can tailor its educational efforts, field-work and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments.

Colorado Mesa University also host the Unconventional Energy Center a \$3.2-million-dollar endowment seeking to enhance curriculum and the student experience in energy related programs. In this regard the Land & Energy Management Program is aligned with a unique source of additional curriculum and institutionally enhancing monies that will allow the program to grow and thrive in the future.

Encana Oil & Gas (USA) Inc. ("Encana"), has hired interns and new graduates from the Colorado Mesa University Land & Energy Management Program and we have been very impressed by their knowledge, work ethic and contributions to our asset teams. Encana will continue to recruit students from the program to help bolster our workforce and ensure quality talent is filling the pipeline.

Encana Services Company Ltd.

Republic Plaza 370 – 17<sup>th</sup> Street Suite 1700 Denver CO 80202 303.623.2300 [encana.com](http://encana.com)

Encana Services Company Ltd. provides operational, corporate, administrative and advisory services to Encana Corporation and its subsidiaries.





Please accept this letter as our wholehearted support for AAPL's accreditation of the program moving forward.

Sincerely,

Encana Oil & Gas (USA) Inc.,  
By its authorized agent,  
Encana Services Company Ltd.

A handwritten signature in dark ink, appearing to read "Jonathan Wente", written over a horizontal line.

Jonathan Wente  
Manager, Surface Land

# **Industry Letter of Support**

**iLandman  
Innovative Landman Solutions**



September 27, 2016

American Association of Professional Landmen (AAPL)  
Accreditation Committee Chair  
800 Forniier Street  
Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,


I hope this letter finds the members of the committee well, and thank you for your service to our industry. Please accept this letter as formal support of the Colorado Mesa University Land and Energy Management Program being accredited under the AAPL's Accredited Programs and Universities.

As we all should know the area around Colorado Mesa is very unique and is home to the Piceance Basin with trillions of cubic feet of gas potential. This basin has shared ownership by many including, the Federal and State Government, Indian and privately owned lands. This makes the area very complex for the average landman, meaning he/she will need a varied course of instruction to fulfill their obligation to the companies they work for. Colorado Mesa University has made the move to instill in its students under its Land and Energy Management Program firsthand knowledge of this region as well as the other Rocky Mountain regions to the east, the regulations and even the social culture.

As a regular speaker/instructor at Colorado Mesa I have witnessed the educational efforts the staff has implemented to assist these students with tools and educational programs necessary to compete in today's land environment. The students and staff are hard working, diligent and very critical to managing the resources of Western Colorado and the nation.

I feel that Colorado Mesa University is on the right track to become an accredited University, with strong support from operators, exploration and production companies, service companies, landmen and land associations. Furthermore, I ask that you take strong positive consideration to the application of Colorado Mesa University as one of the next universities that AAPL accredits.

Sincerely,



Richard A. Hines, CPL  
Vice President

**Industry  
Letter of Support  
Laramie Energy, LLC**



**LARAMIE ENERGY, LLC**  
1401 SEVENTEENTH ST., SUITE 1400  
DENVER, COLORADO 80202

TEL: (303) 339-4400  
FAX: (303) 339-4399

August 5, 2016

American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,

In June 2016 the U.S. Geological Survey announced the Mancos Shale of the Piceance Basin contained up to 100tcf of technically recoverable natural gas. Using the upper end of the agency's review range their announcement makes the Piceance Basin likely the nation's largest shale gas reserve.

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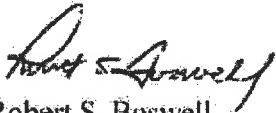
Colorado Mesa University's Land & Energy Management Program has a broad-base of support from exploration and production companies to midstream operators, vendors and consultants. Having a local, accredited program that can tailor its educational efforts, field-work and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments.

Colorado Mesa University also host the Unconventional Energy Center -a \$3.2-million-dollar endowment seeking to enhance curriculum and the student experience in energy related programs. In this regard the Land & Energy Management Program is aligned with a unique source of additional curriculum and institutionally enhancing monies that will allow the program to grow and thrive in the future.

Please accept this letter as our wholehearted support for AAPL's accreditation of the program moving forward.

Sincerely,

LARAMIE ENERGY, LLC

A handwritten signature in black ink, appearing to read "Robert S. Boswell", written in a cursive style.

Robert S. Boswell  
Chairman and CEO

**Industry  
Letter of Support  
Terra Energy Partners**



**TEP Rocky Mountain LLC**  
4828 Loop Central Drive, Suite 900  
Houston, Texas 77081

July 26, 2016

American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street  
Fort Worth, TX 76102

Dear AAPL Accreditation Committee,

Terra Energy Partners LLC is providing this letter of support for the accreditation of Colorado Mesa University's Land & Energy Management Program.

Colorado Mesa University's Land & Energy Management Program has a broad-base of support from exploration and production companies to midstream operators, vendors and consultants. Having a local, accredited program that can tailor its educational efforts, field-work and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments.

Colorado Mesa University also hosts the Unconventional Energy Center, a \$3.2-million-dollar endowment seeking to enhance curriculum and the student experience in energy related programs. In this regard, the Land & Energy Management Program is aligned with a unique source of additional institutionally enhancing monies that will allow the program to grow and prosper in the future.

Please accept this letter as Terra's support for AAPL's accreditation of the Colorado Mesa University's Land & Energy Management Program.

Sincerely,

A handwritten signature in black ink, appearing to read "Tiffany C. Pollock", with a long, sweeping horizontal line extending to the right.

Tiffany C. Pollock, CPL  
Vice President of Land



**Industry  
Letter of Support  
Ursa Piceance LLC**



# Ursa Piceance LLC

1050 17<sup>th</sup> Street, Suite 2400, Denver, Colorado 80265

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August 3, 2016

American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,

Ursa Piceance LLC / Ursa Operating Company would like to lend it's support for the AAPL to approve accreditation for Colorado Mesa University's (CMU) Land & Energy Management Program.

Ursa is one of the largest operators in the Piceance Basin of Western Colorado and CMU is located in Grand Junction, Colorado, which is in the heart of the basin, which is one of the most prolific, as far as reserves in the Onshore US. We also have assets in Texas, Illinois, Wyoming and Nebraska.

I have been a Landman for over 33 years and have had the pleasure of being an Independent, early in my career, being able to retire from Shell, after 25 years and of being a principal owner of 3 companies, including the current Ursa company. In addition, I hold a PLM undergrad degree, a BS in Business as well as an Executive MBA.

In addition, I have had the pleasure of working in over 12 states in the US and as a contracts negotiator in projects encompassing over 22 counties around the world. I also have presented to several industry groups, including the University of Colorado at Denver's Global Energy Management Program. I am a firm believer that education is our future.

I can speak first hand of the need for another Accredited Professional Degreed Landmen Program in the Rocky Mountain region. I along with one of my Landmen, personally know and have met with Staff at CMU. In addition, Ursa has had the pleasure of interviewing, selecting and hiring a Summer Hire from CMU. That CMU Energy Management Student did a great job for Ursa and learned much of the skills that are need to be an AAPL level Landman.

On behalf of Ursa and myself, we appreciate the AAPL considering approving the accreditation of the CMU program. I am available by email ([dsimpson@ursaresources.com](mailto:dsimpson@ursaresources.com)) or phone (720-508-8369) to answer any other questions that you may have.

Sincerely,

Don Simpson, CPL # 5113

Vice President of Business Development, Land, Regulatory and Environmental

# **Industry Letter of Support**

## **Vanguard Natural Resources LLC**



July 26, 2016

American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,

In June 2016 the U.S. Geological Survey announced the Mancos Shale of the Piceance Basin contained up to 100tcf of technically recoverable natural gas. Using the upper end of the agency's review range their announcement makes the Piceance Basin likely the nation's largest shale gas reserve.

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Western Colorado's socioeconomic considerations are also unique. The complexity of the operating environment requires land professionals who live, work and are trained within an institution close to the resource assets and within communities where first-hand knowledge and understanding about federal lands, split estate and other challenging nuances are the norm -not the abstract exception.

Colorado Mesa University's Land & Energy Management Program has a broad-base of support from exploration and production companies to midstream operators, vendors and consultants. Having a local, accredited program that can tailor its educational efforts, field-work and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments.

Colorado Mesa University also host the Unconventional Energy Center -a \$3.2-million-dollar endowment seeking to enhance curriculum and the student experience in energy related programs. In this regard the Land & Energy Management Program is aligned with a unique source of additional curriculum and institutionally enhancing monies that will allow the program to grow and thrive in the future.

Please accept this letter as our wholehearted support for AAPL's accreditation of the program moving forward.

Sincerely,

Chris Raper  
Land Manager

# **Industry Letter of Support**

## **Wolcott, LLC**



American Association of Professional Landmen  
Accreditation Committee Chair  
800 Fournier Street Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,

We at Wolcott, LLC are writing in support of Colorado Mesa University's Land & Energy Management Program. I have been a member of AAPL since 1982 and we have well establish land service company based in Grand Junction, Colorado. Grand Junction, home to CMU, is in Western Colorado about 3.5 hours west of Denver on the edge of the Piceance basin.

CMU's program has been running for several years and I have served on the program committee. We have had several of the students as interns and have used several as landmen. We have been impressed with the students from CMU and their skill level. Most have a good overview of our industry as whole, have a working knowledge of title, strong computer skills, act as professionals and have practical field experience.

With the Piceance nearby, professionals working for the operators have participated in classroom and field instruction. Title attorneys and others with land experience also participate.

In addition to the Piceance, the work opportunities for landmen extend regionally across the Rockies.

CMU is a fast growing university that is expanding rapidly with many academic disciplines. A large portion of the student population comes from the "Front Range" (Denver and other Eastern Colorado cites). In the last few years the school has been adding one or two large dormitories to accommodate the increase in students. CMU offers a quality education at prices that are more affordable than schools on the Front Range.

We appreciate your consideration for accreditation of Colorado Mesa University's Land & Energy Management Program.

Sincerely,

A handwritten signature in dark ink, appearing to read "John B. Wolcott". The signature is stylized with a large, looping "J" and a cursive "Wolcott".

John B. Wolcott, CPL #5089  
WOLCOTT, LLC  
Grand Junction, CO  
970-241-7146 Ext 307

# **Industry Letter of Support**

## **XTO Energy**





July 29, 2016

American Association of Professional Landmen (AAPL)  
Accreditation Committee Chair  
800 Fournier Street  
Ft. Worth, TX 76102

Dear AAPL Accreditation Committee,

In June 2016, the U.S. Geological Survey announced the Mancos Shale of the Piceance Basin contained up to 100 tcf of technically recoverable natural gas. Using the upper end of the agency's review range, this announcement makes the Piceance Basin likely the nation's largest shale gas reserve.

The area's incredible potential can only manifest itself with a workforce that understands the unique operating environment in Western Colorado. The Piceance Basin contains complex patchworks of fee, federal, state and tribal lands with a myriad of regulatory and social considerations unique to the Rocky Mountains. Western Colorado's socioeconomic considerations are also unique. The complexity of the operating environment requires land professionals who live, work and are trained within an institution close to the resource assets and within communities where first-hand knowledge and understanding about federal lands, split estate and other challenging nuances are the norm – not the abstract exception.

Colorado Mesa University's Land & Energy Management Program has a broad-base of support from exploration and production companies to midstream operators, vendors and consultants. Having a local, accredited program that can tailor its educational efforts, field-work and graduates to thrive in the Rocky Mountain environment is critical to the future of the Piceance Basin and surrounding developments.

Please accept this letter as XTO Energy's support for AAPL's accreditation of the program moving forward.

Sincerely,

Patrick McCarthy  
Public & Government Affairs Manager  
XTO Energy, an ExxonMobil subsidiary

# **Student Club Requirement Internship Requirement**

## **Student Club Requirement and Internship Requirement**

### **Landman/Energy Management (LEM) Club**

#### **Current Club Officers:**

President:	Ryan Supercynski
Vice-President:	Cole Deihs
Secretary:	Kelly Smallwood
Treasurer:	Drew Wagner

The Landman/Energy Management (LEM) Club is an active club with over 20 members. The Club hosts multiple guest speakers each year as well as organizes several fund-raising activities including Pablo's Pizza and the Annual Trap Shoot. The LEM Club is recognized by Colorado Mesa University as an official club and participates in all campus club activities. The LEM Club is also eligible to receive funding from the University.

The Third Annual Trap Shoot was again held this last spring and raised over \$3,000 with many teams from the Energy Industry including both operators and service companies participating. This was an opportunity for students to both raise money and interact with Industry professionals through planning the Trap Shoot as well as participating the day of the Shoot. Another frequent fundraiser has been the Pablo's Pizza fundraiser in downtown Grand Junction which last fall raised \$1000 and assisted in promoting the LEM club. The monies raised were used by students to attend the NAPE conference and also the Vail Global Energy Summit.

Guest speakers frequently present at club meetings. This past year a particularly exciting guest speaker was Richard Hines, Landman, who presented the benefits of a mineral land repository and the mapping of minerals both unleased and leased. The presentation concluded with students then able to receive training and a certificate on the use of Landman, to further the resumes of participating students. Local Landman have presented on private equities. Past graduates that are working in Land Management that are in Division Order, Environmental, State/Federal regulatory, and field land work have come in to speak as well as Trent Young on Geothermal and Larry Moyer on Western Colorado Geology. Other guest speakers include Kent Rider, Flint Ogle on offshore leasing, Don Moyer on title search, Sandy Hotard on Land Management, Charles Shear on lease purchases and Julie Justus on EPA and state regulations. Industry support for guest speakers has been phenomenal.

Activities planned for this year include a community forum on pending Colorado ballot initiatives, attendance at the October NAPE conference, the yearly Geology Field Trip and the yearly Piceance Basin field trips which will include exposure to drilling rigs, hydraulic fracturing operations, completions, production facilities, compressor stations, and natural gas processing plants.

In addition to fund raising and guest speakers, the LEM Club has become involved with the Piceance Energy Action Council (PEAC). Students assist the PEAC in informing people of the importance of energy on Colorado's Western Slope. This has involved writing letters to The Editor that are in support of the industry that were submitted to the Daily Sentinel, Grand Junction, Colorado as well as attending PEAC meetings and assisting with activities.

Students have also become involved with West Slope Colorado Oil and Gas Association (WSCOGA). The Program Director and one student sit on the WSCOGA steering committee that meets once a month. The Program Director and students attend many West Slope COGA events which include the annual WSCOGA golf tournament which raises funding for scholarships for West Slope students. The Program Director and students also attend the annual WSCOGA banquet in February which includes honoring college scholarship recipients, keynote addresses, and pioneer awards.

DAPL has provided support for the LEM club. The College liaison has spoken in classes, conducted workshops, had lunch meetings and conducted workshops with the Landman/Energy Management students. The liaison has also been instrumental in demonstrating the importance to the students of joining AAPL as a part of the students' professional growth.

Internships play an integral role in the program also providing opportunities for students to further professional contacts and experiences as well as gain experience in the Industry. Students are encouraged to participate in an internship their junior and senior year, working in the Industry gaining valuable experience and Industry networks. Several students have interned with Energy Companies, leaving with a more thorough knowledge base of the complexities of this profession. A noted alum, as one of many examples, interned with a company, based upon a title chain she had prepared and then was so successful in her internship, she was offered employment upon graduation. Other students have interned with Chevron, the BLM, Terra Energy Partners, Encana, Piceance Operating, Laramie, Williams, Wolcott, and Ursa, to list but a few of the companies providing Internship opportunities.

This summer students had the opportunity to work with the Program Director on a Grant-funded research project, analyzing ground disturbance for fossil fuels compared to the ground disturbance of renewable energy. The group traveled to Pueblo and Walsenburg, Colorado, and conducted research on land disturbance within a solar farm, a wind farm, a coal plant, and a natural gas combined cycle turbine plant. The students then took the information gathered and are in the process of writing a white paper comparing and contrasting this information. The students and Program Director also plan to present this research in an open forum on campus later this fall.

**Internship Requirement  
Full-time Recruitment  
Career Advancement  
Guest Professors  
LEM Club  
Local Landman Support  
Scholarships  
Field Trips  
AAPL and NAPE Activity**



**Internships, Full-time recruitment, Career Advancement, Guest professors, LEM Club, Local Landman Support, Scholarships, Field Trips and AAPL and NAPE activity.**

Fifteen letters of Industry support have been included in the Accreditation Application, demonstrating the support of Industry and local leaders for the Landman/Energy Management Program at Colorado Mesa University. Letters are included from Congressman Scott Tipton, the Denver Association of Petroleum Landmen, the Associated Governments of Northwest Colorado, the Colorado Oil & Gas Association, the Mesa County Board of Commissioners, Club 20, Black Hills Exploration and Production, Encana, iLandman, Laramie Energy, Terra Energy, Ursa Piceance, Vanguard, Wolcott, and XTO Energy. Please refer to Tab 4 to read the letters in their entirety.

Internships play an integral role in the program also providing opportunities for students to further professional contacts and experiences. Students are encouraged to participate in an internship their junior and senior year, working in the Industry gaining valuable experience and Industry networks. Several students have interned with Energy Companies, leaving with a more thorough knowledge base of the complexities of this profession. A noted alum, as an example, interned with a company, based upon a title chain she had prepared and then was so successful in her internship, she was offered employment upon graduation. Other students have interned with Chevron, the BLM, Terra Energy Partners, Encana, Piceance Operating, Laramie, Williams, Wolcott, and Ursa.

Students have found employment with the Bureau of Land Management, Chevron, WPX, Encana, Williams, Terra Energy Partners, Ursa, Piceance Operating, and Laramie as well as many local energy service companies, utility companies, small independent companies and E&P operating companies, including Miller Pumps/Packers. Even during the recent downturn, the majority of students were able to acquire jobs in the energy industry, due in large part to the connections that had been formed due to Industry support.

Landman/Energy Management classes frequently have guest speakers who present in their areas of expertise areas or on current issue areas. Larry Moyer, a noted Geologist has both conducted guest lectures and then also presented hands-on field trips as he took students to differing areas in Western Colorado to study the geology of the energy industry. Patrick Green, the County Surveyor has guest lectured on chaining title in Mesa County. David Ludlum, the Executive Director for WSCOGA has guest lectured numerous times on current Energy Issues before teaching a class this last spring. Jeff Kirkland, WPX Energy, has also presented as a guest lecturer as well as Kent Rider. In addition, other speakers include the following: Alex Campbell, Vice president of Enduring Resources, Helen Capps, former land manager with Encana, Julie Justus, Chevron, Gary Dolezel, former Vice President of First Energy Corporation, John Wolcott, Wolcott, LLC, and Vern Jones, Salt Lake City, exhibitor. Students have been exposed to many professionals in the Industry and a variety of job opportunities.

As discussed in the Student Club Section, the Landman/Energy Management Club (LEM) Club is an active and vital club on campus currently 20 members strong. In addition to guest speakers, the LEM Club has also been instrumental in students attending the following events since the inception of the program. The Program Director, an adjunct faculty member, and 11 to 12 students have attended the Denver NAPE Conferences in 2014 and 2015 and will do so again this October. CMU's Landman/Energy Management has an exhibit booth promoting the program and the vast energy resources in Western Colorado during the NAPE Conference. At

this event, students were also able to network with the various companies during the business presentations and social activities which, in many cases, led to employment opportunities. In 2014, six students and the Program Director attended the Houston Nape Conference to attend business presentations and network with the various businesses. The Vail Global Energy Summit in 2013, 2014, 2015, and 2016 was attended by the Program Director and approximately 10 students to listen to business presentations that have included conventional and renewable resource presentations. Students attended the presentations and the social activities to network with other energy resource students from all over the North America including Stanford, MIT, Colorado School of Mines, and Canadian Universities. The COGA Rocky Mountain Energy Summit in 2016 Conference will be attended by the Program Director and students to participate in various workshops and presentations to further networking opportunities in the Rocky Mountain States. An exhibit booth will be set up to promote the CMU's program.

Industry support has been instrumental in both developing the program and allowing the program to move forward. Over \$660,000 has been raised for the Landman/Energy Management Program at Colorado Mesa University. Industry providing support include Par Petroleum Corporation (formerly Delta Petroleum), EnCana Oil & Gas, Noble Energy Production, Tulsa Community Foundation (WPX) and WPX Energy Rocky Mountain. Over 80 businesses and individuals have provided monetary support for the program.

Over \$200,000 in scholarships has been awarded with over 50 students receiving scholarship dollars. The awards have ranged from \$500 to \$2,500 with single semester and multi-year awards granted. The scholarship dollars have allowed students, not ordinarily able to attend college, the opportunity to do so and to graduate with a degree. The Industry Support for scholarships for the Landman/Energy Management students has been noteworthy.

Multiple field trip opportunities have occurred and continue to occur for students. Larry Moyer takes students on a Geology field trip each fall looking at geological formations in Colorado and Utah. Also each fall, students are given the opportunity to visit drilling rigs, hydraulic fracturing operations, completions, production facilities, compressor stations, and natural gas processing plants. Students have been to the Shoshone hydroelectric power plant in Glenwood Canyon as well as the Cameo Power Plan. Students have also had the opportunity to attend training programs on public records with the Grand County Utah Recorder and the Mesa County Colorado Assessor.



# Program Sheets



## 2016-2017 PETITION/PROGRAM SHEET

Degree: Bachelor of Business Administration

Major: Business Administration

Concentration: Energy Management/Landman

### About This Major . . .

The Bachelor of Business Administration (BBA) is designed to prepare students for the challenges of today's organizations, as well as the business world of tomorrow. The program provides students with the knowledge, skills and abilities to compete in both the local and global business environments. Additionally, the program offers many concentrations to choose from: Business Economics; Entrepreneurship; Finance; Hospitality Management, Human Resource Management; Information Systems; Insurance; Energy Management/Landman; Managerial Informatics; Management; and Marketing.

The BBA is a very versatile, flexible and valuable degree. Colorado Mesa's BBA graduates have great success stories in the business world as well as the ability to earn advanced degrees in business such as the Master of Business Administration – one of the most sought after degrees by employers in today's job market.

Energy Management/Landman professionals provide expertise for energy companies including oil, gas and alternative energy sources, such as solar and wind. These students work both with landowners to acquire or obtain rights to land usage as well as with companies providing expertise in managing the complexities of the energy industry. Job opportunities abound in the energy industry, not only in the United States but also around the world as students in this concentration help provide solutions to the growing world demand for energy.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>.

All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Integrate knowledge from multiple functional areas of business to solve business problems and to develop sound business strategies. (Specialized Knowledge)
2. Apply business knowledge and skills in appropriate business contexts and transfer knowledge and skills to new business situations. (Critical Thinking)
3. Communicate clearly, appropriately, and persuasively to the business audience, both orally and in writing, including individual presentations. (Communication Fluency)
4. Analyze business data critically, reason logically, and apply quantitative analysis methods correctly to develop appropriate business conclusions. (Quantitative Fluency)
5. Effectively work as a team. (Applied Learning)
6. Strategically apply information across functional areas of business. (Applied Learning)
7. Produce professional business work products. (Applied Learning)
8. Practice principle-based ethics in decision making both personally and professionally. (Applied Learning)
9. Apply landman and energy management tools to identify and manage energy resources in a global market. (Specialized Knowledge)

NAME: \_\_\_\_\_ STUDENT ID #: \_\_\_\_\_

LOCAL ADDRESS AND PHONE NUMBER: \_\_\_\_\_

\_\_\_\_\_ ( ) \_\_\_\_\_

I, (Signature) \_\_\_\_\_, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I have read and understand the policies listed on the last page of this program sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

Signature of Advisor \_\_\_\_\_ Date \_\_\_\_\_ 20\_\_\_\_

Signature of Department Head \_\_\_\_\_ Date \_\_\_\_\_ 20\_\_\_\_

Signature of Registrar \_\_\_\_\_ Date \_\_\_\_\_ 20\_\_\_\_

**DEGREE REQUIREMENTS:**

- 120 semester hours total (Students must complete a minimum of 30 of the last 60 hours of credit at CMU, with at least 15 semester hours in major discipline courses numbered 300 or higher).
- 40 upper division credits (A minimum of 15 taken at the 300-400 course levels within the major at CMU).
- 2.00 cumulative GPA or higher in all CMU coursework.
- 2.00 cumulative GPA or higher in coursework toward the major content area.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- A student must follow the CMU graduation requirements either from 1) the program sheet for the major in effect at the time the student officially declares a major; or 2) a program sheet for the major approved for a year subsequent to the year during which the student officially declares the major and is approved for the student by the department head. Because a program may have requirements specific to the degree, the student should check with the faculty advisor for additional criteria. It is the student's responsibility to be aware of, and follow, all requirements for the degree being pursued. Any exceptions or substitutions must be approved by the student's faculty advisor and Department Head.
- When filling out the program sheet a course can be used only once.
- Essential Learning Capstone should be completed between 45 and 75 hours.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for additional graduation information.

**ESSENTIAL LEARNING REQUIREMENTS (31 semester hours)**

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

Course No	Title	Sem.hrs	Grade	Term/Trns
<b>English</b> (6 semester hours, must receive a grade of "C" or better and must be completed by the time the student has 60 semester hours.)				
ENGL 111	English Composition	3		
ENGL 112	English Composition	3		

**Math** MATH 113 or higher (3 semester hours, must receive a grade of "C" or better, must be completed by the time the student has 60 semester hours.)

MATH 113	College Algebra	4*		
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\*3 credits apply to the Essential Learning requirements and 1 credit apply to elective credit

**Humanities (3 semester hours)****Social and Behavioral Sciences (6 semester hours)**

ECON 201	Principles of Macroeconomics	3		
ECON 202	Principles of Microeconomics	3		

**Natural Sciences (7 semester hours, one course must include a lab)**

GEOL 111	Principles of Physical Geology	3		
GEOL 111L	Principles of Physical Geology Lab	1		
		3		

**History (3 semester hours)**

HIST				
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**Fine Arts (3 semester hours)**

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Course No	Title	Sem.hrs	Grade	Term/Trns
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**WELLNESS REQUIREMENT (semester hours)**

KINE 100	Health and Wellness	1		
KINA 1		1		

**ESSENTIAL LEARNING CAPSTONE (4 semester hours)**

ESSL 290	Maverick Milestone (see English & math pre-reqs)	3		
ESSL 200	Essential Speech (co-requisite)	1		

**FOUNDATION COURSES (18 semester hours)** These courses, plus ECON 201 & 202 and Essential Learning English & Math requirements must be completed within the student's first 60 hours.

ACCT 201	Principles of Financial Acctg	3		
ACCT 202	Principles of Managerial Acctg	3		
BUGB 105	Freshman Business Seminar	3		
BUGB 211	Business Communications	3		
CISB 101	Business Inform. Technology			
OR CISB 205	Advanced Business Software	3		
CISB 241	Intro to Business Analysis			
OR STAT 241	Intro to Business Analysis	3		

**BACHELOR OF BUSINESS ADMINISTRATION: ENERGY MANAGEMENT/LANDMAN CONCENTRATION REQUIREMENTS (63 semester hours)****Business Administration Core (33 semester hours)**

BUGB 349	Legal Environment of Business	3		
BUGB 401	International Business	3		
CISB 210	Fundamentals of Info Systems	3		
FINA 301	Managerial Finance	3		
MANG 201	Principles of Management	3		
MANG 301	Organizational Behavior	3		
HRMA 371	Human Resource Management	3		
MANG 471	Operations Management	3		
MANG 491	Business Strategy	3		
MARK 231	Principles of Marketing	3		
CISB 341	Quantitative Decision Making	3		
OR MANG 341	Quantitative Decision Making	3		
OR MARK 350	Marketing Research	3		

**Required Concentration Courses (30 Semester Hours)**

MANG 410	Effective Workplace Communication	3		
**EMGT 101	Energy Mang. Fundamentals	3		
**EMGT 201	Land Mang. Fundamentals	3		
EMGT 360	Real Property, Oil and Gas Law	3		
EMGT 355	Landman Geo-Petrol-Engineering	3		
EMGT 350	Energy Development, Transportation and Markets	3		
EMGT 440	Energy Land Practices I	3		
EMGT 450	Energy Land Practices II	3		
EMGT 410	Energy Regulation and Compliance	3		
EMGT 494	Energy Senior Seminar	3		

\*\* Consult with EMGT advisor for possibility of substituting another business course for this one if you possess equivalent work experience.

**ELECTIVES (2 semester hours of college level courses appearing on your final transcript, not listed above to bring total semester hrs to 120.)**

*MATH 113	College Algebra	1		
		1		

**Special requirements:** To be admitted to the Bachelor of Business Administration program, certain prerequisites must be satisfied. Please see the Business department head for complete requirements and application form. All degree requirements must be completed as described above. Any exceptions or substitutions must be recommended in advance by the faculty advisor and/or approved by the Department Head. Students are required to participate in exit examinations or other programs deemed necessary to comply with the college accountability requirement.

## SUGGESTED COURSE SEQUENCING FOR BBA, CONCENTRATION IN ENERGY MANAGEMENT/LANDMAN

### FRESHMAN YEAR

Fall Semester		Hours	Spring Semester		Hours
BUGB 105	Freshman Business Seminar	3	ENGL 112	English Composition	3
ENGL 111	English Composition	3	CISB 210	Fundamentals of Information Systems	3
MATH 113	College Algebra	4	GEOG 111+111L	Principles of Physical Geology + Lab	4
CISB 101	Business Information Technology		ESSL	Humanities	3
OR CISB 205	Advanced Business Software	3	KINE 100	Health and Wellness	1
EMGT 101	Energy Management Fundamentals	3	KINA Activity		1
		16			15

### SOPHOMORE YEAR

Fall Semester		Hours	Spring Semester		Hours
ACCT 201	Principles of Financial Accounting	3	ACCT 202	Principles of Managerial Accounting	3
ECON 201	Principles of Macroeconomics	3	ECON 202	Principles of Microeconomics	3
MARK 231	Principles of Marketing	3	MANG 201	Principles of Management	3
BUGB 211	Business Communications	3	ESSL 290	Maverick Milestone	3
EMGT 201	Land Management Fundamentals	3	ESSL 200	Essential Speech (co-requisite)	1
		15	CISB 241	Intro to Business Analysis	
			OR STAT 241	Intro to Business Analysis	3
					16

### JUNIOR YEAR

Fall Semester		Hours	Spring Semester		Hours
ESSL	Fine Arts	3	EMGT 350	Energy Development, Transportation and Markets	3
EMGT 355	Landman Geo-Petrol-Engineering	3	EMGT 360	Real Property, Oil and Gas Law	3
BUGB 349	Legal Environment of Business	3	ESSL	History	3
CISB 341	Quantitative Decision Making		FINA 301	Managerial Finance	3
OR MANG 341	Quantitative Decision Making		MANG 301	Organizational Behavior	3
OR MARK 350	Marketing Research	3			15
ESSL	Natural Science	3			
		15			

### SENIOR YEAR

Fall Semester		Hours	Spring Semester		Hours
EMGT 440	Energy Land Practices I	3	MANG 491	Business Strategy	3
EMGT 410	Energy Regulation and Compliance	3	EMGT 450	Energy Land Practices II	3
HRMA 371	Human Resource Management	3	MANG 410	Effective Workplace Communication	3
MANG 471	Operations Management	3	BUGB 401	International Business	3
Elective		1	EMGT 494	Energy Senior Seminar	3
		13			15

#### POLICIES:

1. Please see the catalog for a complete list of graduation requirements.
2. This program sheet must be submitted with your graduation planning sheet to your advisor during the semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates. You must turn in your "Intent to Graduate" form to the Registrar's Office by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December.
3. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature. Finally, the Department Head will submit the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
4. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
5. NOTE: During your senior year, you will be required to take a capstone exit assessment/project (e.g., Major Field Achievement Test).

**2016-2017 PETITION/PROGRAM SHEET**  
**Award: Professional Certificate**  
**Program of Study: Energy Management/ Landman**

**About This Certificate . . .**

The Certificate in Energy Management/Landman is designed to provide students with the knowledge and skills needed to engage in Landman/Energy Management activities in the workplace. The certificate will provide students with an overview of information they would encounter if they went on to earn the Energy Management/Landman Concentration in the BBA, which more fully prepares a person for a successful career in the growing energy industry.

**NAME:** \_\_\_\_\_ **STUDENT ID #** \_\_\_\_\_

**LOCAL ADDRESS AND PHONE NUMBER:** \_\_\_\_\_

\_\_\_\_\_ ( ) \_\_\_\_\_

I, (Signature) \_\_\_\_\_, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I have read and understand the policies listed on the last page of this program sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

\_\_\_\_\_  
Signature of Advisor Date 20\_\_

\_\_\_\_\_  
Signature of the Department Head Date 20\_\_

\_\_\_\_\_  
Signature of Registrar Date 20\_\_

Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.

#### DEGREE REQUIREMENTS:

- 2.00 cumulative GPA or higher in all CMU coursework and a "C" or better must be achieved in coursework toward major content area.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Program sheets are for advising purposes only. Because a program may have requirements specific to the degree, check with your advisor for additional guidelines, including prerequisites, grade point averages, grades, exit examinations, and other expectations. It is the student's responsibility to be aware of, and follow, all guidelines for the degree being pursued. Any exceptions or substitutions must be approved by the faculty advisor and/or Department Head. Courses related to teacher licensure must also be approved by the Teacher Education Dept.
- When filling out the program sheet a course can be used only once.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for additional graduation information.

#### CERTIFICATE: Energy Management/ Landman

(12 semester hours)

Course No	Title	Sem.hrs	Grade	Term
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*EMGT 355	Landman Geo-Petrol-Engineering			
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*		3		
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*EMGT 350	Energy Development, Transportation and Markets	3		
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*EMGT 440	Energy Land Practices I	3		
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EMGT 450	Energy Land Practices II	3		
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\*Consult with Business Department advisor regarding prerequisite classes that might be necessary to take.

### SUGGESTED COURSE SEQUENCING FOR A CERTIFICATE IN ENERGY MANAGEMENT/ LANDMAN

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with the assigned advisor and check the 2 year course matrix on the Colorado Mesa website for course availability.

#### FIRST YEAR

Fall Semester		Hours	Spring Semester		Hours
EMGT 355	Landman Geo-Petrol-Engineering	3	EMGT 350	Energy Development, Transportation and Markets	3

#### SECOND YEAR

Fall Semester		Hours	Spring Semester		Hours
EMGT 440	Energy Land Practices I	3	EMGT 450	Energy Land Practices II	3

The above is one possible course sequence. Contact an advisor or the Department of Business for other possibilities.

#### POLICIES:

1. Please see the catalog for a complete list of graduation requirements.
2. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates**. You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December**.
3. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature. Finally, the Department Head will submit the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
4. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
5. NOTE: During your senior year, you will be required to take a capstone exit assessment/project (e.g., Major Field Achievement Test).