

MONTANA BOARD OF PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS

301 South Park, 4TH Floor – [Delivery]

P. O. Box 200513

Helena, Montana 59620-0513

(406) 444-5711 FAX (406) 841-2305

E-MAIL: dlibsdpels@mt.gov WEBSITE: www.landsurveyor.mt.gov

LAND SURVEYOR INTERN APPLICATION

GENERAL INFORMATION

- By order of the Board, all applications must be typed in at least 10 pt. font. This application now features "fillable fields" that will allow you to use your computer keyboard to input information.
- Applicants shall complete the application form in every detail.
- Complete applications will be reviewed by the Board's executive staff and legal counsel and may require review by the full Board at a public meeting. You must have Board approval prior to sitting for the NCEES Fundamentals of Surveying exam.
- The Land Surveyor Intern certificate is valid for a maximum of two years and may be renewed for additional two-year periods at a cost of \$25 per renewal. The deadline for renewal is June 30. Information will be sent to certificate holders about renewal and a renewal form will be placed on the Board's website.
- Please review the Montana laws and rules regarding the practice of land surveying in Montana.

SPECIAL NOTE: As of February 19, 2015, the qualifications required to sit for the NCEES Fundamentals of Surveying exam in Montana have changed through the provisions of HB 63. This application reflects those changes. Please visit the Board's website or contact the Board office for more information.

REQUIREMENTS TO BE A MONTANA LAND SURVEYOR INTERN.

Applicants for Land Surveyor Intern certification must meet one of the following sets of requirements. If you are applying to sit for the NCEES Fundamentals of Surveying exam, you do not need to furnish proof of passing the exam as part of this application. However, the Board must approve you to sit for the exam.

- A Baccalaureate degree in Land Surveying that meets the Board-approved Land Surveying curriculum (see page 7), passage of the NCEES Fundamentals of Surveying exam, and three character references.
- An Associate's degree in Land Surveying that meets the Board-approved Land Surveying curriculum (see page 7), passage of the NCEES Fundamentals of Surveying examination, and three character references.
- A Baccalaureate degree with a Minor in Land Surveying that meets the Board-approved Land Surveying curriculum (see page 7), passage of the NCEES Fundamentals of Surveying examination, and three character references.
- Passage of the NCEES Fundamentals of Surveying examination, three character references (including one from a Professional Land Surveyor familiar with your work), exhibits as required by the Board, and at least 6 years of combined office and field experience in land surveying under the direct supervision of a licensed professional land surveyor. At least 4.5 years of that experience must be progressive experience in charge of land surveying projects.

NOTE: This "experience only" pathway will exist until October 1, 2022. After that date, applicants for Land Surveyor Intern must demonstrate acceptable land surveyor education.

If you are applying with Land Surveyor education that is not already pre-approved by the Board (see page 7), you must submit a list of course descriptions and credits for your surveying curriculum. You also must note whether or not the courses were taught or supervised by a licensed Professional Land Surveyor.

If you are applying with either of the following education credentials, you do not need to submit course descriptions and instructor information:

- A.A.S. Degree in Surveying, Flathead Valley Community College
- Minor in Land Surveying/LS Certificate, Montana State University-Bozeman

FEES

Land Surveyor Intern Application by Exam: \$25.00

Make check or money order payable to the Montana Board of PELS.

REQUIRED DOCUMENTS: The following documents must be submitted to the Board office in order to complete your application. If any of these are not included in your application, it will not be processed.

- **Official College Transcripts** if applicable. Transcripts marked "ISSUED TO STUDENT" **will not** be accepted.
- **Three Verification of Character and Reputation (Reference) forms: (See p. 15.)** All applicants must submit character references. If you are applying with experience, one of your references must be from a Professional Land Surveyor who has personal knowledge of your land surveying experience.
- **Verification of Licensure:** The verification of licensure form on page 16 of the application must be completed by all states where you hold or have ever held a professional license. License verifications must be sent directly to Montana from each state/province/territory.
- **Exhibits:** If you are applying under the "6 years experience" pathway with no education, you must submit between two and four exhibits of your land surveying work, along with narratives describing the exhibit and the professional decision-making processes related to the project. At least one exhibit must demonstrate the applicant's knowledge of the principles and practices of boundary surveying.

APPLICATION PROCEDURES

- The applicant will be notified in writing of any deficient or missing items from the application file.
- You may be requested to provide additional information. In addition, your application may require review by the full Board at a public meeting.
- Any application that requires Board review must be complete, with all required information received by the Board office no later than four weeks prior to the next scheduled Board Meeting.

(The Board usually meets the first week of February, May, August and November but specific dates are subject to change.) Please visit the Board's website to check for the next scheduled meeting date.

- Please make copies of the attached character reference form as needed. The required character reference forms must be sent directly from the individuals indicated on page 6 of the application.
- Keep the Board office informed at all times of any address changes or name changes. This is essential for timely processing of applications and subsequent licensure.
- For dates of NCEES examinations, please contact NCEES at <http://ncees.org/>

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LAND SURVEYOR INTERN APPLICATION

Land Surveyor Intern - \$25.00

1. FULL NAME: _____
Last First Middle
2. OTHER NAME(S) KNOWN BY: _____
3. BUSINESS NAME: _____
4. BUSINESS ADDRESS: _____
Street or PO Box # City and State Zip
5. HOME ADDRESS: _____
Street or PO Box # City and State Zip
6. PREFERRED MAILING ADDRESS: Business Home
7. EMAIL: _____
8. TELEPHONE: () _____ () _____ () _____
Business Home Fax
9. SOCIAL SECURITY NUMBER: _____
10. DATE OF BIRTH: _____
11. HAVE YOU PASSED THE NCEES FS EXAM PRIOR TO THIS APPLICATION? YES NO

12. PROFESSIONAL LICENSES:

List all professional licenses you hold or ever have held. License verification must be sent directly to Montana from each state/province/territory. See page 17 of the application

State	License #	License Type	Issue Date	Expiration Date	License Method	State Verification Requested?	
						Yes	No
						Yes	No

DISCIPLINARY QUESTIONS:

Please read carefully & answer questions completely and truthfully, it may affect your licensure.

- 13. Have you ever had an application for a professional or occupational license refused or denied? If yes, please attach a detailed explanation and provide supporting documentation from the source. Yes No
- 14. Have you ever withdrawn an application for licensure prior to the licensing agency's decision regarding your application? If yes, please attach a detailed explanation and provide supporting documentation from the source. Yes No
- 15. Have you ever been denied the privilege of taking an examination required for any professional or occupational license? If yes, please attach a detailed explanation and provide supporting documentation from the source. Yes No
- 16. Have you ever withdrawn or been suspended, placed on probation, expelled or requested to resign from any postsecondary educational program? If yes, please attach a detailed explanation and provide supporting documentation from the source. Yes No
- 17. Have you ever requested temporary or permanent leave of absence, been placed on probation, restricted, suspended, revoked, allowed to resign, or otherwise acted against by any professional or occupational education program (i.e., residency, internship, apprenticeship, etc)? If yes, please attach a detailed explanation and provide supporting documentation from the source. Yes No
- 18. Has a licensing agency initiated or completed disciplinary action against any professional or occupational license you have held? If yes, please provide agency documents including the complaint, initiating documents, orders, final orders, stipulations and consent and/or settlement agreements directly from the source. Yes No
- 19. Have you ever voluntarily surrendered, cancelled, forfeited, failed to renew a professional or occupational license in anticipation of or during an investigation or disciplinary proceedings or action? If yes, please attached a detailed explanation and provide supporting documentation from the source. Yes No

20. Is there a pending complaint against you with a professional or occupational licensing agency? If yes, please attach a detailed explanation and provide supporting documentation from the source. Yes No
21. Have you ever been censured, expelled, denied membership or asked to resign from a professional organization related to your professional or occupation? If yes, please attach a detailed explanation and provide documentation from the source. Yes No
22. Have any civil legal proceedings been filed against you by a (patient/client), (former patient/client) or employer/employee? If yes, attach a detailed explanation and documentation from the source including initiating document(s) and documentation of final disposition. Yes No
23. Have you ever been convicted of a misdemeanor or felony crime or do you have a pending criminal charge? "Convicted" for the purposes of this question includes a conviction under appeal, guilty plea, no contest plea, and/or forfeiture of bond. "A pending criminal charge" for the purpose of this question includes a deferred imposition of sentence and/or deferred prosecution. Yes No
- If you answer yes, you must submit a detailed explanation of the events AND the charging documents and final judgments or orders of dismissal. You must report but may omit documentation for: (1) misdemeanor traffic violations older than 10 years and that resulted in fines of less than \$200; and (2) convictions prior to your 18th birthday unless you were tried as an adult.
24. Have you ever been diagnosed with chemical dependency or another addiction, or have you participated in a chemical dependency or other addiction treatment program? If yes, please attach a detailed explanation and provide documentation regarding evaluations, diagnosis, treatment recommendations and monitoring from the source. Yes No
25. Have you been diagnosed within the past 5 years with a physical condition or mental health disorder involving potential health risk to the public? If yes please provide a detailed explanation. Yes No
26. Have you ever been courts martial or discharged other than honorably from any branch of the armed service? If yes, attach a detailed explanation and documentation from the source. Yes No

27. EDUCATION

Name of University or College	City and State	Dates Attended	Degree Earned

28. PROFESSIONAL, CHARACTER AND REPUTATION REFERENCES:

If applying with experience, please type names and addresses of three references one of which must be a professional land surveyor having personal knowledge of your land surveying experience.

Name:
Address:
Telephone Number:

Name:
Address:
Telephone Number:

Name:
Address:
Telephone Number:

QUALIFICATIONS TO APPLY FOR LSI CERTIFICATION:

PLEASE CHECK ONLY ONE OF THE FOLLOWING:

Board-approved Baccalaureate degree in Land Surveying (see page 7.)

Board-approved Associate's degree in Land Surveying (see page 7.)

Baccalaureate degree with a Minor in Land Surveying that is Board-approved (see page 7.)

No education, 6 years of experience (4.5 must be progressive—see page 8), plus exhibits.
 (Only available until October 1, 2022.)

MONTANA BOARD OF PROFESSIONAL ENGINEERS & PROFESSIONAL LAND SURVEYORS
Land Surveying Curriculum effective by Board rule published on November 20, 2014

Total Required Credits: 60 semester credits (quarter credits shall be credited at 2/3 semester credit)

Basic Courses: Minimum 33 semester credits

English: 6 credits, including but not limited to

- English composition
- English writing
- Public speaking

Math: 7 credits, including but not limited to

- Algebra
- Trigonometry

Drafting: 6 credits

A minimum of 3 credits must be in survey drafting

Basic Science: 9 credits including but not limited to

- Computer hardware
- Computer software
- Introduction to GPS
- Introduction to GIS
- Physical science

Humanities, Social Science or approved Associate of Applied Science benchmarks: 5 credits

Surveying Techniques courses: Minimum 11 semester credits

NOTE: All courses must be taught by a licensed professional land surveyor.

1. Basic field survey techniques (traversing, leveling, GPS, notekeeping and records, etc.)
2. Basic survey calculations (field data reduction, traverse entry, etc)
3. Creating topographic maps by field measurements
4. Construction surveying
5. Route surveying
6. Creating or analyzing maps and images with photogrammetric or remote sensing methods

Principles and Practice of Land Surveying courses: Minimum 16 semester credits

NOTE: All courses must be taught by a licensed professional land surveyor.

1. In depth study of the Public Land Survey System (PLSS)
2. Surveying calculations for boundary analysis and aliquot part subdivision of sections
3. Legal principles of property boundaries
4. Writing and interpreting legal descriptions
5. Land development design and local/state regulations
6. Montana laws concerning surveying (statutes, administrative rules, case law)
7. Public records research
8. Advanced survey-grade GPS control and analysis

The Board of Professional Engineers and Professional Land Surveyors has pre-approved the following college and university land surveying curricula:

- **Flathead Valley Community College - Associates in Applied Science in Surveying**
- **Montana State University–Bozeman – Minor in Land Surveying and/or Land Surveying Certificate**

Other curricula will be considered by the board on a case-by-case basis.

MONTANA BOARD OF PROFESSIONAL ENGINEERS & PROFESSIONAL LAND SURVEYORS

24.183.802 CLASSIFICATION OF LAND SURVEYING EXPERIENCE

(As amended by the Board. The Notice of Adoption of this rule was published by the Secretary of State on Nov. 20, 2014. The following text is not the official version of the rule. The official version is available on the Secretary of State's website.)

(1) Land surveying experience for the purpose of application for licensure shall be classified as progressive and non-progressive.

(2) Non-progressive experience is experience that must be gained under the supervision of a licensed professional land surveyor and may include:

- (a) construction layout of buildings and miscellaneous structures;
- (b) surveys necessary to obtain data and location of highways, roads, pipelines, canals, etc.;
- (c) construction staking for land modification, highways, roads, utilities, etc.; or
- (d) other construction surveying experience.

(3) Non-progressive experience shall be credited at one-half the time value of progressive experience and shall be limited to a total of no more than two years.

(4) Progressive experience is experience that must be gained under the supervision of a licensed professional land surveyor and may include one or more of the following:

(a) experience on land surveying projects, which indicate the experience is of increasing quality and requiring greater responsibility;

(b) experience not obtained in violation of the licensure act;

(c) experience such as aliquot part subdivision of sections, retracing existing boundaries, establishing new boundaries, corner search and reestablishment, researching existing public records, survey computations, preparation of legal descriptions, certificates of survey, subdivision plats, corner recordation forms, exhibits, and other documents pertinent to such work; or

(d) experience teaching surveying subjects at an advanced undergraduate or postgraduate level in an accredited college or university offering a land surveying curriculum supervised by a licensed land surveyor.

(5) All experience must be completed at the time of application.

(6) Land surveyor applicants may be asked by the board to provide a more detailed explanation of their experience in the field aspects of the profession.

RESUME OF WORK EXPERIENCE (See "Classification of Experience, page 8)

- a. Each of the three columns under "time of experience" shall be filled out for each engagement. Use zeros where necessary, but do not leave blank spaces and do not use the word "yes."
- b. Use page 11 of this application to break down in months for columns A, B and C.
- c. **IMPORTANT--You may count experience obtained during periods of education. But please note whether the experience came before, during or after land surveyor education. The Board may delay a decision on an application that does not reflect pre-education and post-education experience.**
- d. The definition of what is considered "progressive" and "non-progressive" experience is found in ARM 24.183.802 (Page 8 of this application.)
- e. "Non-progressive Experience" must only be counted at 50%. (Example: 12 months of "non-progressive experience" only counts as 6 months.) Be sure to adjust appropriately.

Engagement No.	Beginning Date	Ending Date	JOB TITLE & NAME OF EMPLOYER. Begin with your present or recent position.	TIME OF EXPERIENCE			WORK VERIFICATION		
				Note time in months			List the name and present address of someone familiar with each engagement listed. Immediate Supervisor preferred. For those applying with work experience, name your supervisor and identify whether that person is licensed.		
				Progressive		Non-progressive			
				Field Experience	Office Experience				
A	B	C							
1			Title: Name of employer:				Name: Address: Supervisor? Yes No Licensed? Yes No License Number _____		
2			Title: Name of employer:				Name: Address: Supervisor? Yes No Licensed as LS? Yes No License Number _____		
3			Title: Name of employer:				Name: Address: Supervisor? Yes No Licensed as LS? Yes No License Number _____		
4			Title: Name of employer:				Name: Address: Supervisor? Yes No Licensed as LS? Yes No License Number _____		
5			Title: Name of employer:				Name: Address: Supervisor? Yes No Licensed as LS? Yes No License Number _____		
6			Title: Name of employer:				Name: Address: Supervisor? Yes No Licensed as LS? Yes No License Number _____		
7			Title: Name of employer:				Name: Address: Supervisor? Yes No Licensed as LS? Yes No License Number _____		
TOTAL SUM OF EXPERIENCE						<u>x.5 =</u>			

LAND SURVEYING EXPERIENCE BREAKDOWN (This page and next page.)
 Please record work time in months (example: 6 mo.)

IMPORTANT: Totals must be given in each column or application will be returned for completion.

		PROGRESSIVE LAND SURVEYING EXPERIENCE (Must be progressive—note pre-professional and professional)																
		Field					Office											
Engagement No.	Beginning Date	Ending Date	Vertical and horizontal control surveys	Establishing new boundaries	Retracing existing boundaries and legal descriptions	Property corner search	Retracing GLO surveys	PLSS corner search and restoration	RECORD TOTAL FIELD LAND SURVEYING EXPERIENCE FOR EACH ENGAGEMENT, Column A, Page 11	Teaching advanced level land surveying courses	Drafting certificates of survey and plats	Preparing corner recordation forms	Writing and interpreting legal descriptions	Subdivision and parcel division design	Researching public records	Aliquot part subdivisions of sections	Boundary analysis and associated calculations	RECORD TOTAL OFFICE LAND SURVEYING EXPERIENCE FOR EACH ENGAGEMENT, Column B, Page 11
TOTALS																		

I hereby certify that I have filled out this form according to the Montana Professional Engineers and Land Surveyors Rule: ARM 24.183.802, "**Classification of Experience**" as shown on page 9 of this application and that the form completed is true and correct. Use additional sheets if necessary.

Signature of Applicant _____ Date _____

		NON-PROGRESSIVE SURVEYING EXPERIENCE (50% credit)													
		Field							Office						
Engagement No.	Beginning Date	Ending Date	Line marking	Monumenting and marking property boundaries	As-built surveys	Other construction surveying	Construction staking for land modification	Construction staking of structures	Staking roads or highways	Staking infrastructure	Topographic surveys and mapping	Basic survey calculations and field data reduction	Other survey related drafting	RECORD TOTAL OTHER LAND SURVEYING EXPERIENCE FOR EACH ENGAGEMENT, Column C, Page 11	
1															
2															
3															
4															
5															
6															
7															
TOTALS															

I hereby certify that I have filled out this form according to the Montana Professional Engineers and Land Surveyors Rule: ARM 24.183.802, "**Classification of Experience**" as shown on page 9 of this application and that the form completed is true and correct. Use additional sheets if necessary.

Signature of Applicant _____ Date _____

AFFIDAVIT

I authorize the release of information concerning my education, training, record, character and competence to practice, by anyone who might possess such information, to the Montana Board of Professional Engineers and Professional Land Surveyors.

I hereby declare under penalty of perjury the information included in my application to be true and complete to the best of my knowledge. In signing this application, I am aware that a false statement or evasive answer to any question may lead to denial of my application or subsequent revocation of licensure on ethical grounds. I have read and am familiar with the applicable licensure laws of the State of Montana and instructions to applicants for licensing. I accept the rules and procedures outlined in these documents as the basis for my application.

Applicant Signature _____

Date _____

Experience Detail Sheet

(You may duplicate this sheet with a word processor or copy machine)

IMPORTANT!

For each engagement listed, the applicant shall identify who the supervisor was and whether the supervisor was licensed.

Engagement #: _____

Title: _____

Employer: _____

Supervisor: _____ Licensed? Yes No

Dates of Employment: From: _____ To: _____

Description of Duties:

You may use extra sheets to explain in detail your experience with each firm. Describe specific projects and your level of responsibility for the project. **The Board strongly suggests that you describe exactly what you did during each engagement in a first-person narrative.** The Board will determine from the information presented whether or not you meet Montana's current requirements. **Descriptions considered incomplete or inadequate may lead to a request for further detail which could delay the Board's consideration of your application.**

NOTE: Handwritten Experience Detail Sheets will NOT be accepted.

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VERIFICATION OF CHARACTER AND REPUTATION

APPLICANT SECTION:

Applicant shall complete the upper portion of this form and mail to each of the character references you have listed on your application (page 6).

Legal signature of Applicant _____ Date _____

(Please Type or Print):

Name of Applicant _____

Address: _____

This verification sent to: _____

CHARACTER REFERENCE SECTION:

Please answer the following questions concerning the applicant's character and reputation. This document is your authorization to release any and all information and opinions you have, favorable or otherwise, directly to the Montana Board of Professional Engineers and Professional Land Surveyors. Your response will be kept confidential.

Name of reference: _____ Daytime phone: _____

Address: _____

Title/profession/position: _____ License Number _____

How long have you known the applicant? _____ In what capacity? _____

To your knowledge, does this applicant have any habits or practices that would adversely affect his/her professional activities? Yes No If your answer is "yes," please explain:

Do you consider this applicant worthy of approval to work as a land surveyor Intern in Montana? Yes No

Please comment on the applicant's character and reputation (attach additional sheet as needed):

Signature of Reference

Date

The Applicant and the Board thank you for your assistance.

VERIFICATION OF LICENSURE
THIS IS NOT AN ENDORSEMENT CERTIFICATION

PLEASE COMPLETE THIS SECTION OF THE FORM AND MAIL TO EACH STATE BOARD IN WHICH YOU ARE NOW OR HAVE EVER BEEN LICENSED TO PRACTICE AS A _____. YOU MAY COPY THIS FORM AS MANY TIMES AS NEEDED. SOME BOARDS REQUIRE A FEE FOR THIS SERVICE.

STATE BOARD: _____

I am applying for a license to practice land surveying in the State of Montana.

The Montana Board of Professional Engineers and Professional Land Surveyors requires this form to be completed by each state wherein I hold or ever have held a professional/occupational license.

This is your authority to release any information in your files, favorable or otherwise, **DIRECTLY** to the **BOARD OF PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS, P. O. BOX 200513, 301 SOUTH PARK AVENUE, HELENA, MT 59620-0513.** Your early response is appreciated.

(Signature) Name: _____
(Please print)

Address: _____

My License Number is: _____

DO NOT DETACH -- THIS SECTION TO BE COMPLETED BY AN OFFICIAL OF THE STATE BOARD AND RETURNED DIRECTLY TO THE MONTANA STATE BOARD OF PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS.

State of: _____ Full Name of Licensee: _____

License No. _____ Issue Date: _____

License is current? YES NO If NO, explain _____

Has license been suspended, revoked, placed on probation or otherwise disciplined? YES NO

If YES, explain and attach documentation _____

Has licensee ever been requested to appear before your Board? YES NO

If YES, explain _____

Please attach any further derogatory information or comments on a separate sheet.

BOARD SEAL HERE

Signed _____

Title: _____

State Board: _____