BRPELS
BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS & LAND SURVEYORS

Exam Qualifications Committee

October 15, 2025 | 9:00 a.m.

Virtually via Microsoft Teams:
Join the meeting now
Meeting ID: 264 592 047 344 3
Passcode: ew2zf2ET
Or call in (audio only)
+1 564-999-2000,,398479152# US, Olympia
Phone Conference ID: 398 479 152#

In person:
Washington State University
Sloan Hall, Room 146
405 NE Spokane St.
Pullman, WA 99163

Committee: Maureen Jackson, PE, Chair
Matthew Rasmussen, PE, PLS
Jon Warren, PLS

Support staff: Ken Fuller, PE, Director
Kristina Horton, PLS, Deputy Director
Vonna Cramer, Licensing Lead
Shanan Gillespie, Regulatory Program Manager
Kevin Ballard, Internal Control Manager
Mackenzie Wherrett, Executive Assistant
Bryce Dickison, Administrative Assistant
Elizabeth Lagerberg, Assistant Attorney General

Discussion topics

- Application Review (KF/VC)
- Foreign Degree Evaluation Services (KF/VC)
- NCEES Attestation Language (VC)
- FE Waiver Analysis (KF/KB)
- Draft Language for Chapter 196-12 WAC (SG)
- Draft Language for Chapter 196-16 WAC (SG)
- PLS and On-Site Cut Scores (KB/VC)

Strategic Planning Items

- ~~Review Comity regulations for each profession and how they relate to other states~~
- ~~Investigate decoupling all exams~~

ENG2501999

Reference remarks and experience provide valuable insight into the applicant's qualifications; however, additional QC of projects is still required.

NCEES record shows 4yrs 10 months practical work experience
Education:

- University of WA
    - Bachelor's in Civil Engineering
- University of British Columbia
    - Master's in Civil Engineering

FE

- WA
- July 2019

PE

- OR
- December 2023

[redacted]

All work experience reviewed by two licensed professionals

[redacted]

GENERAL

Date of Birth
[redacted]

Phone Number
[redacted]

Birthplace
Longueuil, Quebec, Canada

Email
[redacted]

Applying To
Washington

Application Type
Initial - PE

Application Date
08/01/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years, 10 months

Total Engineering Experience
4 years, 10 months

Experience under licensed engineer
2 years, 6 months

Disciplinary Action
None reported

ABET EAC · FE EXAM · PE EXAM · 4+

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Washington
September 2016–March 2020

Masters in Civil Engineering
University of British Columbia
January 2021–May 2022

EXAMS

Fundamentals of Engineering (FE)
Washington
July 2019

Principles and Practice of Engineering (PE)
Civil
Oregon
December 2023

REFERENCES

Gregory Michael Curtiss P.E.
greg@gobluecoast.com | (206) 883-3480

Jessica Cote P.E.
jessica@gobluecoast.com | (425) 218-4503

Kathryn Elizabeth Ketteridge P.E.
kathy@gobluecoast.com | (360) 319-8069

Grant Lamont
glamont@nhcwater.com | (604) 980-6011

Neville Anne Berard
nberard@nhcwater.com | (778) 683-6442

LICENSES

Additional Licenses
None

WORK EXPERIENCE

HNTB
Washington (United States)
Construction Management Engineer
March 2020—May 2021

Verified by
Rudolph Miles Ruana
RRuana@hntb.com

Experience Summary
Full-Time
Engineering: 1 year, 2 months
Post EAC degree: 1 year, 2 months
Experience under licensed engineer: 1 year, 2 months

TASKS

The tasks and duties I was responsible for were primarily daily construction management tasks. I had daily deliverables of field construction reports and inspector construction reports. Before the start of new tasks or workflows on the project, I also reviewed the design drawings and performed preliminary quantity takeoffs for bid items to compare to the as-built quantities and monitor critical path and schedule alternatives pertaining to these tasks. During the construction tasks, I had additional deliverables such as quantity take-offs and field assessment reports. During construction work, I also reviewed and responded to the contractor requests for information (RFIs), change orders, construction schedule, and submittals. Post construction tasks included bid item review, as-built construction take-offs, schedule review, and analysis of delays of work and how expensive these delays of work were for the task budget and overall construction budget.

REPRESENTATIVE PROJECTS

I was a construction management engineer for the City of Seattle S Lander St Bridge Project. This project was constructed along S Lander Street in SODO, between 4th Ave S and 1st Ave S over the Amtrak/Sounder/BNSF railway, in order to relieve idling vehicle congestion due to railway traffic. The project construction lasted from 2018 to 2020. I was the junior construction management engineer for HNTB, who was the owner (City of Seattle) representative. I submitted daily field construction reports (FCRs) and inspector daily reports (IDRs), and performed quantity take-offs and quality assessments (including field assessment reports, or FARs) for construction activities such as rebar placement, concrete placement and pours, and water main installation. I also reviewed and responded to the contractor requests for information (RFIs), change orders, construction schedule, and critical path submittals. Another part of my responsibilities were to keep track of bid item progress and use, and any potential or actualized delays of work and their affect on project budget. Finally, I was involved in performing on site adjustment decisions and mitigation, and guiding the contractor when problems arose. For example, there was a section of the project site adjacent to the bridge approach structure which was ponding water, and I suggested removing the top layer to dirt and replacing it with coarse gravel in order to allow for easier water infiltration.

I initially joined this project in 2018, as a construction management intern, where I learned to read, edit, and analyze engineering design plans, and learned on site to process and produce IDRs, FCRs, FARs, and complete the tasks I listed above. During my internship, I was primarily shadowing engineers and construction inspectors. I was offered a full time position at HNTB to come back to the S Lander project upon graduation from my undergraduate degree, and began to undertake the tasks listed above individually rather than shadowing others.

WORK EXPERIENCE

Westmar Advisors Inc
British Columbia (Canada)
Coastal Engineer-in-Training
May 2021—December 2021

Verified by
Vignesh Ramadhas
vramadhas@westmaradvisors.com

Experience Summary
Part-Time
Engineering: 2 months (25%)
Post EAC degree: 2 months (25%)
Experience under licensed engineer: None

TASKS

During this internship (part-time as I was also in my masters degree), I acted as construction supervisor for several shoreline improvement projects. In this role, I was responsible for submitting daily construction reports, verifying that rip-rap armour was being placed correctly and meeting provincial and project-specific specifications, and coordinating with the contractor and client on site. I was alone at these sites, and reached out to my supervising engineer with questions that I could not resolve on site. I also worked on a preliminary seawall design, including looking at design water levels and determining the height and configuration of seawall which would be serve the project. Finally, I contributed to several sea level rise risk analyses, by conducting literature reviews and undertaking Monte Carlo data analyses with available data.

REPRESENTATIVE PROJECTS

During my time at Westmar Advisors, I supervised the construction of two shoreline modification projects. The first was for a single family home beach access replacement in West Vancouver, consisting of excavating out sections of the shoreline and placing large rocks to act as a path down from the house to the shore. I was on site for two weeks to monitor that rocks were being placed according to the design drawings and to meet provincial and site specific specifications. Deliverables from this project which I provided included construction reports with pictures and details of my time on site. The second location was a public park beach access path, where the public access path was being replaced due to damage in White Rock, BC. This project included riprap armour and fill placement. I was on site for a few weeks and was responsible for making sure the riprap was keyed in properly, and was graded according to specifications. Deliverables from this project included construction reports with pictures and details of my time on site, and tracking of quantities and budget.

For a different homeowner in West Vancouver, I participated in the preliminary design to replace their seawall, which was experiencing decay and letting fine sediments onto the shoreline, creating sinkholes and erosion. I worked with my supervising engineer to analyze design water levels, determine seawall crest height, incorporate the design into other existing infrastructure such as a concrete staircase, and incorporate drainage infrastructure needed for erosion prevention. I also drafted the seawall in AutoCAD, and helped review provincial specifications and guidelines for design. This work was done over a few weeks.

I worked with my supervising professor and my supervising engineer to assess which BC Ferries terminals will be most susceptible to sea level rise, to aid BC Ferries's sea level rise adaptation plan and determine which terminals may be rendered inaccessible or not usable in the near future. This included running Monte Carlo simulations for the different terminals based on available water level data in the area and adding different sea level rise projections. This work was conducted over a few weeks.

WORK EXPERIENCE

Northwest Hydraulic Consultants Ltd
British Columbia (Canada)
Junior Coastal Engineer
January 2022—March 2024

Verified by
Grant Lamont
GLamont@nhcwater.com

Experience Summary
Full-Time
Engineering: 2 years, 2 months
Post EAC degree: 2 years, 2 months
Experience under licensed engineer: None

TASKS

At NHC, I was responsible for several wave modeling projects, being involved in all steps of the project design process. I was responsible for gathering and processing bathymetry and topography data from publicly available and project specific sources, building SWAN and SWASH numerical models, processing and analyzing results, and writing the modeling reports. I used the modeling results to generate preliminary, conceptual, and final designs for different shorelines, including riprap slope design, erosion protection, and shoreline restorations. I also wrote project specifications and helped the CAD team generate design drawings for these projects.

I was also responsible for conducting similar data processing, data analyses, numerical modeling, model result processing, and report generation for a 3D hydrodynamic model, a more complex undertaking than the numerical wave modeling I described above. I used the results from the modeling to inform project design.

I was also responsible for several site inspections and construction supervision throughout my time at NHC, including local shoreline projects and a project on the remote central coast of British Columbia. Part of these site inspections and construction supervision included coordinating with contractors, project owners and clients, and making engineering decisions on site based on weather, communication, and technical challenges.

REPRESENTATIVE PROJECTS

When I first joined NHC, I worked on a project for a shoreline in North Vancouver for the Squamish Nation. The nation wanted to restore the shoreline for increased fish habitat and recreation. The site included contaminated soils, which needed to be capped and protected. The work I conducted included a site visit, and using site elevations, water levels, and wave parameters to design a new, non-erodible shoreline.

A representative project that I worked on while at NHC was for an eroding wastewater pipeline along a 6km stretch of shoreline on eastern Vancouver Island. This project aimed to analyze where along the pipeline further erosion may occur, and which locations along the pipeline to prioritize for erosion protection. The work I was responsible for in this project included a qualitative site visit, wave modeling for the entire site, a sediment transport analysis based on the modeling, producing the project report. I contributed to the conceptual design for erosion protection and sediment retention on one section of the site. This work was conducted over several months in 2022. The numerical wave modeling consisted of finding and analyzing water level, wind, bathymetry, and topography data relevant to the site, and processing this data to create a modeling grid and mesh. I used the model wave parameters (wave height, direction, and period) and bed shear stress to perform a high level sediment transport analysis using measured grain sizes collected during the site visit and determine where along the pipeline sediment is likely to move due to wave action. This project was a progression from the previous wave modeling I had done as it involved a larger site, and more modeling analysis (previously, I had only used wave parameters from the model to inform preliminary designs).

In 2022, I also worked on a BC Ferries terminal shoreline re-design, in order to account for sea level rise. The terminal on Mayne Island, BC, has experienced erosion, and BC Ferries is looking to upgrade the shoreline. I used existing wave parameters from a previous phase of the project to design the new terminal rock armour slope, including designing several profiles with the appropriate rock size and elevations to consider vessels being able to access the terminal now, and in the future.

Another representative project is the wave modeling, preliminary design, and construction inspection/management work I completed for a river dredging project in Kingcome Inlet, British Columbia. The First Nations village upstream of Kingcome Inlet along the Kingcome River is dependent on the river to travel to the inlet and to import and bring supplies back to the village. In November 2021, an atmospheric river event caused large sediment infilling at the mouth of the river, impeding villager access during low tide periods. In early 2023, I became involved in the project, and was responsible for conducting the wave modeling in

the inlet using SWAN, including building the model grid and mesh and processing available bathymetry in order to do so. These results were used to calculate the size of the rock placement for the berm design meant to prevent sedimentation in the barge bay. I was involved in the preliminary design on the berm, including considerations of different designs and different construction methods. I was also involved in the final design for the dredge cut needed to remove infilled sediment. Finally, in the winter of 2023/2024, I was on site in Kingcome Inlet for this first phase of the project, which included dredging 570 m of the river to the design grade. I was responsible for performing construction inspections, and processing the contractor's construction progress surveys to ensure they were dredging to grade and meeting the project design and specifications. I was the sole person on site from NHC, and coordinated with the environmental consultants, the First Nations (also the client), and the contractor to ensure project success. This project was an increase in responsibility due to the geographical challenges of the site (including lack of access in and out of the site, weather, lack of available materials, and the large tide range on site), the lack of data available in building the numerical model, and the increased coordination required in such a remote location.

WORK EXPERIENCE

Blue Coast Engineering LLC
Washington (United States)
Coastal Engineer
March 2024—July 2025

Verified by
Jessica Cote
jessica@gobluecoast.com

Experience Summary
Full-Time
Engineering: 1 year, 4 months
Post EAC degree: 1 year, 4 months
Experience under licensed engineer: 1 year, 4 months

TASKS

The tasks and duties I am responsible for in this role include hydrodynamic modeling, wave modeling and wave parameter calculations, helping with project coordination and management, and conceptual design assistance. Additional tasks include data collection and data processing to inform design, and report writing and client communication.

I have been responsible for conducting data processing, data analyses, numerical modeling, model result processing, and report generation for multiple 2D hydrodynamic models, as well as wave modeling. I used the results from the modeling to inform preliminary project design. I will be continuing these responsibilities, as well as taking on additional modeling and design duties.

I have thus far been responsible for several site inspections and construction supervision for Blue Coast projects, including local shoreline projects and a large estuarine restoration project. Part of these site inspections and construction supervision included coordinating with contractors, project owners and clients, and making engineering decisions on site based on weather, communication, and technical challenges.

REPRESENTATIVE PROJECTS

A representative project of my time at Blue Coast Engineering LLC was the work I completed for the Thompson Trail Trestle Removal, on the Tommy Thompson Trail in Anacortes, WA. The project seeks to remove the existing causeway and trestle and replace it with a trestle which spans the entire length of Fidalgo Bay. I conducted the numerical modeling for the preliminary design, which sought to investigate how conditions in the bay would change once flow could move through the entire width of the bay (the current causeway limits flow in and out of the south bay to 1/3 of the width). The numerical modeling work I conducted included creating a modeling grid of varying resolution, and combining publicly available bathymetry and topography datasets with a survey conducted for the project by another company to create the modeling mesh. I ran several simulations to represent different tide and storm conditions, including ones which considered potential SLR. I processed these modeling results and used them to write a report for the client outlining how conditions would change upon removal of the existing causeway and trestle. These results will be used to inform the new trestle design, specifically of necessary trestle height above water and pier design and location.

The completion of this work led into more complicated hydrodynamic modeling for a different project in Shelton, in which both river flows and tidal velocities were modeled. Like the Thompson Trail project, I created a modeling grid and mesh and ran multiple simulations to investigate different design options, as well as model existing conditions to get better understanding of flows around the site. The results from the hydrodynamic modeling directly led to significant changes being made to the design of the Shelton project, which was to modify existing saltwater marsh lobes and create a new lobe in Shelton Harbor. This was an iterative process in which I worked on investigating different design proposals and hypotheses using the model, and used the results to refine and change aspects of the design. This is an ongoing project.

Another representative project which I have worked on during my time at Blue Coast was on the Samish Island Next Restoration, on Samish Island, Washington. This is a large restoration project which seeks to restore farmed, agricultural land to salt marsh and possibly restore tidal flow between two bays. I was involved in conducting field work, including data collection for water levels in the two bays on either side of Samish Island neck, and mapping groundwater and surface water measurement locations to understand how water moves throughout the site. Additional work included (and continues to include, as this is an ongoing project) processing this data, calculating wave parameters such as wave heights and wave period, contributing to the conceptual designs for the site restoration, and assisting my manager in project coordination and management. I am involved in using additional wave and hydrodynamic numerical modeling used to predict how the Samish river and tides interact, and how different designs for the site will affect coastal processes and infrastructure on the site. These results will be used to refine the conceptual designs that were previously created for preliminary drawings.

[redacted]

[redacted]

ADDITIONAL INFORMATION

QUESTIONS

Has your original license lapsed? If yes, explain.
No

Have you ever been denied licensure by a jurisdiction? If yes, explain.
No

Have you ever been convicted of a misdemeanor? If yes, explain.
No

Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.
No

Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.

Disciplines:

Civil

Have you ever been disciplined by a professional licensing jurisdiction or voluntarily surrendered a professional license in lieu of disciplinary action? If yes, identify jurisdiction(s) and explain. The term 'disciplinary action' shall mean any final written decision or settlement taken against an individual or firm by a licensing board based upon a violation of the board's laws or rules. Disciplinary actions include reprimands, administrative fines, the board's refusal to issue, restore or renew a license, Settlement Agreements or Consent Orders, probation, suspension, revocation or any combination thereof. If the action has been resolved a yes answer is still needed.
No

EMPLOYMENT VERIFICATION

Generated on October 25, 2024 [redacted]

VERIFICATION

Work Experience
HNTB
Washington (United States)
Mar. 2020 — May. 2021

Verifier
Rudolph Miles Ruana
rruana@hntb.com
(425) 213-6418

Verification Date
10/25/2024 12:04am EDT

VERIFIER INFO

Position in firm
Senior Inspector/Technical Advisor

Known applicant
5 years

Relationship
Supervisor

Related to applicant
No

Licensed engineer

Board	Washington
License Number	3835
Date of Licensure	01/18/2002
Discipline	Civil

Licensed surveyor
No

EXPERIENCE DESCRIPTION

Knowledge of the applicant's work during the time covered by this endorsement	Yes
The description above accurately reflects the work personally performed by the applicant	Yes
The time claimed by the applicant for this experience accurate	Yes

COMMENTS

[redacted] will make an excellent, professional and dedicated engineer.

EMPLOYMENT VERIFICATION

Generated on October 16, 2024
[redacted]

VERIFICATION

Work Experience
Northwest Hydraulic Consultants Ltd
British Columbia (Canada)
Jan. 2022 — Mar. 2024

Verifier
Grant Lamont
glamont@nhcwater.com
(604) 980-6011

Verification Date
10/16/2024 12:12pm EDT

VERIFIER INFO

Position in firm
Principal, Northwest Hydraulic Consultants ltd

Known applicant
3 years

Relationship
Supervisor

Related to applicant
No

Licensed engineer
No

Licensed surveyor
No

Verifier qualifications

Graduation Date	Apr. 1999
Institution	University of Victoria
Degree	Other Technical — Bachelor's of Engineering
Years of experience	23
Primary engineering discipline	Coastal (Civil) Engineering
Professional Credentials	Professional Engineer (Canada)

EXPERIENCE DESCRIPTION

Knowledge of the applicant's work during the time covered by this endorsement	Yes
The description above accurately reflects the work personally performed by the applicant	Yes
The time claimed by the applicant for this experience accurate	Yes

COMMENTS

[redacted] completed work as described. She worked for NHC as an engineering-in-training (EIT) with direct supervision for professional engineers (both PE in Washington State, and P.Eng in Canada) during her work.

EMPLOYMENT VERIFICATION

Generated on November 21, 2024
([redacted])

VERIFICATION

Work Experience
Westmar Advisors Inc
British Columbia (Canada)
May. 2021 — Dec. 2021

Verifier
Vignesh Ramadhas
vramadhas@westmaradvisors.com
(604) 729-8125

Verification Date
11/21/2024 12:50pm EST

VERIFIER INFO

Position in firm
Director, Infrastructure

Known applicant
3.5 years

Relationship
Supervisor

Related to applicant
No

Licensed engineer
No

Licensed surveyor
No

Verifier qualifications

Graduation Date	May. 2003
Institution	Bharathiar University
Degree	Other Technical — Bachelor of Engineering - Civil Engineering
Years of experience	20
Primary engineering discipline	Marine Structural Engineering
Professional Credentials	P.Eng. (British Columbia)

EXPERIENCE DESCRIPTION

Knowledge of the applicant's work during the time covered by this endorsement	Yes
The description above accurately reflects the work personally performed by the applicant	Yes
The time claimed by the applicant for this experience accurate	Yes

COMMENTS

During [redacted] internship at Westmar Advisors Inc, she reported to me and also performed several of the projects listed under my supervision. [redacted] performance at Westmar was satisfactory and met the expectations for the position that she was in.

EMPLOYMENT VERIFICATION

Generated on July 24, 2025
([redacted])

VERIFICATION

Work Experience
Blue Coast Engineering LLC
Washington (United States)
Mar. 2024 — Jul. 2025

Verifier
Jessica Cote
jessica@gobluecoast.com
(425) 218-4503

Verification Date
07/24/2025 11:51am EDT

VERIFIER INFO

Position in firm
Principal Coastal Engineer

Known applicant
1 year and 4 months

Relationship
Supervisor

Related to applicant
No

Licensed engineer

Board	Washington
License Number	46704
Date of Licensure	02/25/2010
Discipline	Civil

Licensed surveyor
No

EXPERIENCE DESCRIPTION

Knowledge of the applicant's work during the time covered by this endorsement	Yes
The description above accurately reflects the work personally performed by the applicant	Yes
The time claimed by the applicant for this experience accurate	Yes

COMMENTS

None

UNIVERSITY OF WASHINGTON
OFFICE OF THE UNIVERSITY REGISTRAR

ACADEMIC TRANSCRIPT

[redacted] MOUNT SI HIGH SCHOOL 06/01/16 08/10/23 1

1629132 [redacted] [redacted] TRNSCRPT PORTF

Engineering
CIVIL ENGINEERING

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**************************************************
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UNIVERSITY OF WASHINGTON DEGREES EARNED:
 BACHELOR OF SCIENCE IN CIVIL ENGINEERING
 WINTER 2020  (03/20/20)
 UW:162.0 TRANSFER:  0.0 EXTENSION: 50.0  GPA:  3.34

EXTENSION/INDEPENDENT STDY/ADVANCE PLACEMENT CREDIT:

 ADVANCE PLACEMENT:
  BIOL   161 AP BIOLOGY              5.0
    (06/01/15)
  BIOL   162 AP BIOLOGY              5.0
    (06/01/15)
  ENGL   190 AP ENGL LANG            5.0
    (06/01/15)
  FRENCH 201 AP FRENCH LANGUAGE      5.0
    (06/01/15)
  FRENCH 202 AP FRENCH LANGUAGE      5.0
    (06/01/15)
  FRENCH 203 AP FRENCH LANGUAGE      5.0
    (06/01/15)
  HIST   100 AP WORLD HISTORY        5.0
    (06/01/15)
  STAT   311 AP STATISTICS           5.0
    (06/01/15)
  ENGL   191 AP ENGL LIT             5.0
    (06/01/16)
  MATH   124 AP MATH CALC AB         5.0
    (06/01/16)
  MATH   125 AP MATH CALC AB         5.0
    (06/01/16)

 TOTAL EXTENSION/CORRESPONDENCE/AP CREDIT:   55.0
 TOTAL APPLIED TOWARD NEXT DEGREE:           50.0

COMMENT:
STUDY IN INDIA: ENGINEERING UW STUDY ABROAD
PROGRAM IN BANGALORE, WINTER 2020.
--------------------------------------------------

             AUTUMN 2016              CIV E   1
 CHEM   142  GENERAL CHEMISTRY        5.0   3.0
 ENGL   111  COMPOSITION: LIT         5.0   4.0
 MATH   125  CALC ANALYT GEOM II      5.0   3.8
        QTR  ATTEMPTED: 15.0 EARNED: 15.0 GPA:  3.60

        SCHOLARSHIP STATUS: DEAN'S LIST

                                      WINTER 2017              CIV E   2
 CEE    100  CIV & ENVIR ENGR         1.0    CR
 CHEM   152  GENERAL CHEMISTRY        5.0   3.1
 ECON   200  INTRO MICROECON          5.0   3.2
 MATH   126  CALC ANYL GEOM III       5.0   2.3
        QTR  ATTEMPTED: 16.0 EARNED: 16.0 GPA:  2.87

                                      SPRING 2017              CIV E   2
 ENGR   231  W-INTRO TECH COMM        3.0   3.6
 MATH   307  INTRO TO DIFF EQ         3.0   3.3
 MSE    170  FUNDMNT MATERLS SCI      4.0   3.2
 PHYS   121  MECHANICS                5.0   2.8
        QTR  ATTEMPTED: 15.0 EARNED: 15.0 GPA:  3.17

                                      AUTUMN 2017              CIV E   3
 A A    210  ENGR STATICS             4.0   3.1
 AAS    395  W-POST VIET WAR AAS AM   5.0   3.8
 AMATH  301  BEG SCI COMPUTING        4.0   3.3
 MATH   308  MATRIX ALGEBRA           3.0   2.7
        QTR  ATTEMPTED: 16.0 EARNED: 16.0 GPA:  3.29

                                      WINTER 2018              CIV E   3
 CEE    220  INTRO MECH OF MATLS      4.0   3.0
 M E    230  KINEMATICS & DYNS        4.0   3.0
 PHYS   122  ELECTROMAGNETISM         5.0   2.7
        QTR  ATTEMPTED: 13.0 EARNED: 13.0 GPA:  2.88

                                      SPRING 2018              CIV E   3
 CEE    327  TRANSPORTATION ENGR      5.0   3.7
 CEE    357  ENVIRONMENTAL ENGR       5.0   2.5
 PHYS   123  WAVES                    5.0   2.7
        QTR  ATTEMPTED: 15.0 EARNED: 15.0 GPA:  2.97

                                      AUTUMN 2018              CIV E   4
 CEE    307  CONSTRUCTION ENGR        5.0   3.4
 CEE    317  GEOSURVEYING             5.0   3.5
 CEE    347  FLUID MECHANICS          5.0   3.7
 EDUC   401  PRACT COMM SERV ACT      2.0    CR
        QTR  ATTEMPTED: 17.0 EARNED: 17.0 GPA:  3.53

        SCHOLARSHIP STATUS: DEAN'S LIST

                                      WINTER 2019              CIV E   4
 CEE    367  GEOTECHNICAL ENGR        5.0   3.8
 CEE    377  INTRO STRUCT DESIGN      5.0   3.4
 ENGR   498  SPECIAL TOPICS           3.0   4.0
 IND E  315  PROB & STAT FOR ENG      3.0   3.2
        QTR  ATTEMPTED: 16.0 EARNED: 16.0 GPA:  3.60

        SCHOLARSHIP STATUS: DEAN'S LIST

                                      SPRING 2019              CIV E   4
 CEE    337  CONSTR MATERIALS         5.0   3.2
 CEE    420  ENGR DEVLPING COMM       3.0   3.0
 CEE    473  COASTAL ENGRNG I         3.0   3.9
        QTR  ATTEMPTED: 11.0 EARNED: 11.0 GPA:  3.34
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*** CONTINUED ON PAGE 2 ***

NATIONAL COUNCIL OF EXAMINERS
200 VERDAE BLVD
GREENVILLE, SC 29607

Helen B. Garrett
University Registrar

UNIVERSITY OF WASHINGTON
OFFICE OF THE UNIVERSITY REGISTRAR

ACADEMIC TRANSCRIPT

[redacted] MOUNT SI HIGH SCHOOL 06/01/16 08/10/23 2

1629132 [redacted] [redacted] TRNSCRPT PORTF

Engineering
CIVIL ENGINEERING

****
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****

		AUTUMN 2019		CIV E	4
CEE	291	AUTOCAD	2.0		3.8
CEE	436	FNDN DESIGN	3.0		3.8
CEE	465	DATA ANALYSIS WATER	4.0		4.0
CEE	476	PHYSICAL HYDROLOGY	3.0		3.8
CEE	498	SPECIAL TOPICS	1.0		CR
	QTR	ATTEMPTED: 13.0 EARNED: 13.0		GPA:	3.87

SCHOLARSHIP STATUS: DEAN'S LIST

		WINTER 2020		CIV E	4
CEE	440	PROF PRAC STUDIO	2.0		3.7
CEE	445	ENV ENG DES CAPSTONE	5.0		3.7
CEE	498	SPECIAL TOPICS	4.0		3.7
CEE	498	SPECIAL TOPICS	4.0		3.7
	QTR	ATTEMPTED: 15.0 EARNED: 15.0		GPA:	3.70

QUARTER COMMENT:
STUDY IN INDIA

SCHOLARSHIP STATUS: DEAN'S LIST

Global Public Health Emergency Impacted Enrollment
- See Transcript legend

---------- DEGREE EARNED 03/20/20 ----------
BACHELOR OF SCIENCE IN CIVIL ENGINEERING
UW:162.0 TRANSFER: 0.0 EXTENSION: 50.0 GPA: 3.34

****
CUMULATIVE CREDIT SUMMARY:

UW CREDITS ATTEMPTED	162.0	UW CREDITS EARNED	162.0
UW GRADED ATTEMPTED	158.0	EXTENSION CREDITS	50.0
UW GRADED EARNED	158.0	TRANSFER CREDITS	0.0
UW GRADE POINTS	528.4		
UW GRADE POINT AVG.	3.34	CREDITS EARNED	212.0

****
********** END OF RECORD **********

NATIONAL COUNCIL OF EXAMINERS
200 VERDAE BLVD
GREENVILLE, SC 29607

Helen B. Garrett
University Registrar

UNIVERSITY OF WASHINGTON
Office of the University Registrar Box 355850
Seattle, Washington 98195-5850
206-543-8580

UoW 1592 (Rev. 6/20)

EXPLANATORY NOTES

TRANSCRIPT OF ACADEMIC RECORD
The transcript is an academic record of all coursework completed at the University of Washington-Seattle, Bothell and Tacoma.

AUTHENTICATION OF THIS TRANSCRIPT:
A transcript is official when it bears the facsimile signature of the Registrar, the University of Washington Seal, and the production date. The background of this transcript is purple and the Registrar's signature is purple. Further authentication may be obtained by calling the UW Registration/Transcript Office at (206) 543-8580. The institutional name and the word COPY appear on alternative rows as a latent image. When this paper is touched by fresh liquid bleach, an authentic document will stain brown.

ACADEMIC CALENDAR:
The academic year is comprised of three quarters – autumn, winter, spring – each lasting approximately eleven weeks. There is also a summer quarter.

EXPLANATION OF GRADE SYMBOLS:
Numeric grades: 4.0, 3.9, decreasing by 1/10 to 0.7, 0.0. The highest grade is 4.0. Lowest passing grade is 0.7 (undergraduates), 1.7 (graduate students).

Letter grades: I (incomplete); N (satisfactory without grade), S (passing grade for courses taken on a satisfactory/not-satisfactory basis), for undergraduate students 2.0 and above but prior to autumn 1985 1.7 and above; for graduate students 2.7 and above. NS (not satisfactory grade for courses taken on a satisfactory/not satisfactory basis), for undergraduate students a grade less than 2.0 but prior to autumn 1985 a grade less than 1.7; for graduate students a grade less than 2.7. CR (credit awarded in a course offered on a credit/no credit basis only). The minimum performance level required for a CR grade is determined, and the grade is awarded directly, by the instructor. NC (credit not awarded in a course offered on a credit/no credit basis only); W (official complete withdrawal from the University, or course drop); beginning autumn 1990 for undergraduate and autumn 1997 for graduate and professional students through summer 2020, W accompanied by a number of 3 through 7 (designates course dropped week 3 through week 7 of all quarters except summer quarter) through summer 2020; *W (prior to autumn 1990, a peremptory drop made during the fifth through tenth week of the quarter); HW (Hardship Withdrawal - through winter 2020); RD (Registrar Drop) Beginning spring 2020 for undergraduate, graduate, and professional students, designates course(s) dropped after second week of the quarter and course(s) dropped after grades were posted; X (no grade submitted by instructor). Course titles preceded by the letter H designate honors courses, W designate writing courses, S designate service learning courses, and R designates a course with a research component. The COVID-19 outbreak, a global public health emergency, impacted enrollment for specific quarters indicated with a comment within each quarter on the front of the transcript.

UNDERGRADUATE NUMERIC GRADE POINT EQUIVALENTS:
4.0-3.9 (A); 3.8-3.5 (A-); 3.4-3.2 (B+); 3.1-2.9 (B); 2.8-2.5 (B-); 2.4-2.2 (C+); 2.1-1.9 (C); 1.8-1.5 (C-); 1.4-1.2 (D+); 1.1-0.9 (D); 0.8-0.7 (D-); 0.0 (E).

GRADUATE NUMERIC GRADE POINT EQUIVALENTS:
4.0-3.9 (A); 3.8-3.5 (A-); 3.4-3.1 (B+); 3.0-2.9 (B); 2.8-2.5 (B-); 2.4-2.1 (C+); 2.0-1.7 (C); 1.6-0.0 (E).

SPECIAL SYMBOLS:
A grade followed by an I indicates an incomplete was initially awarded but a final grade has been received. Prior to winter 1983, /R indicates that course was repeated and only the last grade will count in grade point average and credit is allowed once. Effective winter 1983 through summer 1985, /DR for a repeated course indicates that the first grade was less than a 2.0. Both grades will count in the grade point average, but credit will be allowed only once. /R indicates that the first grade was greater or equal to a 2.0 and the second grade does not count in the grade point average and credit is not allowed. Effective autumn 1985, /DR for a repeated course indicates both grades will count in the grade point average but credit will be allowed only once and X/R is used for an undergraduate indicating the student repeated a course not eligible to be repeated for grade or credit.

Effective winter 2005, /R indicates that a course is repeated. Grades for both courses are calculated in the grade point average. Grades for courses repeated more than once are not included in the grade point average. Credit is allowed only once.

Beginning autumn 1987, /R designates a foreign language course initially taken in high school and used as the language of admission. Credit is not allowed and the grade is not included in the grade point average.

Courses designated with /D indicate the grade counts in the grade point average but credit is not allowed toward degree requirements.

SCHOOL OF DENTISTRY:
Effective autumn 1992: Numeric grades: 4.0, 3.9, decreasing by 1/10 to 0.7. The highest grade is 4.0. Lowest passing grade is 0.7. Dental students taking medical school courses are allowed medical school grades.

Prior to autumn 1992: Numeric grades: 4.0 (honor), 3.7, 3.3, 3.0, 2.7, (good), 2.3, 2.0 (low pass), 0.0 (failure). Prior to spring 1981, letter grades: A (4.0), B (3.0), C (2.0), E (failure), EW (failure withdrawal), CR, NC, I, N, W.

SCHOOL OF LAW:
Effective autumn 1998, for entering first year Law students: Letter grades: A (4.0), A- (3.7), B+ (3.4), B (3.0), B- (2.7), C (2.0), D (1.0), E (0.0), CR (Credit); NC (No Credit); I (Incomplete); N (satisfactory without grade); W (Withdrawal); HW (Hardship Withdrawal - through winter 2020); RD (Registrar Drop) Beginning spring 2020 for undergraduate, graduate, and professional students, designates course(s) dropped after second week of the quarter and course(s) dropped after grades were posted. For Law students entering prior to autumn 1998: DS (Distinguished); H (Honors); P (Pass); LP (Low Pass); CR, NC, I, N, W, HW. Prior to 1990, numeric grades-credit awarded for grades 4.0 through 2.3; letter grades-CR, NC, I, N, *W, and W. GPA calc began Aut 05 for students (JD only) enrolled as of Spr 07.

SCHOOL OF MEDICINE:
Letter grades: H (Honors), S, NS, CR, NC, I, N, W. Effective autumn 1996; HP (High Pass), P (Pass), F (Fail) were added. Effective autumn 2002, S, NS were discontinued.

SCHOOL OF PHARMACY:
Numeric grades: 4.0, 3.9, decreasing by 1/10 to 0.7, 0.0. The highest grade is 4.0. Lowest passing grade is 0.7.

COURSE LEVEL:
Lower division, 100-299; upper division, 300-499; graduate 500 and above.

TRANSCRIPTS:
Most student records were converted to a new transcript system in winter 1983. You may receive two types of transcripts.

ACCREDITATION:
The University of Washington is accredited by the Northwest Commission on Colleges and Universities.

THE UNIVERSITY OF BRITISH COLUMBIA

TRANSCRIPT OF ACADEMIC RECORD

ENROLMENT SERVICES
2016 - 1874 East Mall
Vancouver, BC Canada V6T 1Z1

Surname: [redacted]

Given Names: [redacted]

Student Number: [redacted]

Date of Birth: [redacted]

Date Printed:
August 11, 2023

Issued To:
NCEES
200 Verdae Boulevard
Greenville, SC
United States 29607

NCEES OFFICIAL DOCUMENT RECEIVED DIRECTLY FROM THE INSTITUTION

REGISTRAR

Note: Transcript valid only if bearing the registrar's signature. This transcript is printed on secure paper on a blue background.

UBC Credentials

Master of Engineering
In Civil Engineering
Granted: May 18, 2022

Transfer Credits

None to date

Winter Session 2020 - 2021

Master of Engineering (UBC Vancouver)

Term	Course	Credit Value	Course Title	% Grade	Letter Grade	Credit Rec'd	Stdg	Withdraw Date	Complete Date	Class Size	Class Avg
2	CIVL 415	(3.0)	Water Resource Engineering	81	A-	3.0				44	81
2	CIVL 540	(3.0)	Advanced Coastal Engineering	88	A	3.0					
2	CIVL 547	(2.0)	Estuary Hydraulics	83	A-	2.0				7	88
2	CIVL 555	(3.0)	Optimization and Heuristic Approaches for Civil Engineering Systems	96	A+	3.0				9	95
2	SOIL 518	(3.0)	Water in International Development	86	A	3.0				23	83

Summer Session 2021

Master of Engineering (UBC Vancouver)

Term	Course	Credit Value	Course Title	% Grade	Letter Grade	Credit Rec'd	Stdg	Withdraw Date	Complete Date	Class Size	Class Avg
1-2	CIVL 592B	(6.0)	SEA LVL COAS ENG	80	A-	6.0					

Winter Session 2021 - 2022

Master of Engineering (UBC Vancouver)

Term	Course	Credit Value	Course Title	% Grade	Letter Grade	Credit Rec'd	Stdg	Withdraw Date	Complete Date	Class Size	Class Avg
1	CIVL 519	(3.0)	Risk and Decision Analysis for Infrastructure Management	83	A-	3.0				21	89
1	CIVL 562	(3.0)	Environmental Data Collection and Analysis	96	A+	3.0				17	92
1	CIVL 597	(1.0)	Seminar			1.0	P				
1	SOIL 515	(3.0)	Watershed Science	91	A+	3.0				14	90

********** End of Record **********

THE UNIVERSITY OF BRITISH COLUMBIA

The University of British Columbia was established by an Act of the Provincial Legislature in 1908 and opened in 1915. The University is a member of the Universities Canada. UBC Okanagan was established as a campus of The University of British Columbia in April 2005. UBC Okanagan assumed responsibility for several Okanagan University College degree programs and all continuing students in those programs on July 1, 2005. Okanagan University College ceased its educational operations as of August 31, 2005.

EXPLANATION OF STUDENT ACADEMIC RECORD

Academic terms

The University operates on a year system. The academic year is divided into two sessions. Winter Session is divided into two terms, Term 1 from September to December and Term 2 from January to April. Summer Session starts in May and ends in August and is comprised of Term 1 (May and June) and Term 2 (July and August). Courses may span a single term (Term 1 or 2) or a full session (Term 1 and 2) for either session.

Distance Education and Technology (DET) courses begin on one of two starting dates during Winter Session, designated in the Term column as A,B,C or D. During the Summer Session, DET courses have only one starting date and are designated with an A or B in the Term column

Academic Awards

All academic awards (Fellowships, Scholarships, Prizes and Medals) administered by the University and issued subsequent to April 1975, are noted on the transcript of academic record.

Course Numbering

Courses numbered 100 to 199 are primarily for first-year students. Similarly, courses numbered 200 to 299 are primarily for second-year students, courses numbered 300 to 399 are for third-year students, and courses numbered 400 to 499 are for fourth-year students. Courses numbered 500 to 699 are considered graduate-level. Courses numbered 700 and above are residency courses.

Class Size and Class Average Grades

Effective February 1999, class size and class average grades are shown for most courses. In courses with more than one section, the class size and average are reported for the student's section.

Grading and Course Weight

In May of 1991, The University of British Columbia adopted a percentage grading and credit weighting system. Course weight is expressed in "credits". In general 1 credit represents 1 hour of instruction or 2 to 3 hours of laboratory work per week throughout one term of the Winter Session. A 1-unit course became a 2-credit course. Courses are normally graded on a percentage basis with a corresponding letter grade derived as shown.

Degree Standings and Averages

Standings are expressed as Class 1 (80% or over), Class 2 (65 to 79%), Class P (50 to 64%) or Honours; not used by all faculties. Effective Winter Session 1996/97, the calculation of the standing and average is based on the average percentage grade of all upper-level (300 or higher) courses used to satisfy the degree requirements (excluding courses graded as Pass/Fail); not used by all faculties. This is not applicable to programs in the Faculty of Graduate Studies and Postdoctoral Studies.

Undergraduate Grading Scale

Percent	Letter Grade	Percent	Letter Grade
90-100	A+	64-67*	C+
85-89	A	60-63*	C
80-84	A-	55-59*	C-
76-79	B+	50-54*	D
72-75	B	0-49	F* (Fail)
68-71	B-		

Graduate Grading Scale

Masters Grading Scale		Doctoral Grading Scale	
Percent	Letter Grade	Percent	Letter Grade
90-100	A+	90-100	A+
85-89	A	85-89	A
80-84	A-	80-84	A-
76-79	B+	76-79	B+
72-75	B	72-75	B
68-71	B-	68-71	B-
64-67	C+	0-67	F* (Fail)
60-63	C		
0-59	F* (Fail)		

*Some programs may require higher passing grades; failing grades are assigned a letter grade of "F"

The following standings also apply:

- AEG - aegrotat standing: indicates that the student is granted credit although unable to complete because of illness. A letter grade will also be recorded and that grade converted to a minimum percentage grade for that category for the calculation of averages.
- AUD - audit
- CH - challenge credit
- CIP - course in progress
- CR/D/F - (introduced in 2010/11) excluded from calculation in all averages; granted where a grade is assigned by an instructor but not included on the student's official transcript; grade is converted to CR, D or F standing. CR- credit, satisfactory completion of the requirements of the subject; D- marginal pass (50% - 54%), and not available for those programs or courses that define a passing grade as higher than 50%; F - fail
- EX - exempt
- J - see "A" standing as defined in grading scale prior to May 1991
- P or F - no grade assigned, excluded from calculation in all averages. P- pass, requirements of subject completed satisfactorily, credit granted where applicable; F - fail
- H - (introduced 1999/00 session) no grade assigned, excluded from calculation in all averages; H - honours, exceeds course requirements, credit granted where applicable
- PLA - credit assigned based on prior learning in subject area.
- S - see "S" standing as defined in grading scale prior to May 1991
- SD - standing deferred; excluded from calculation in all averages
- T - thesis in progress; graduating essay not submitted; course continuing
- W - official withdrawal

PRIOR TO MAY 1991

Course Weight and Hours

Course weight was expressed in "units". In general, 1 unit represented 1 lecture hour per week (or a laboratory period of approximately 2 to 3 hours each week) throughout both terms of the Winter Session. Some faculties did not assign a unit value to some courses. The maximum mark possible (max) indicated the weight of a course. A 3-unit course (3 hours of lectures per week throughout the Winter Session) was graded out of a total of 150 marks. This course approximated a 6 semester-hour or a 9 quarter-hour course.

Grading classifications

- Class 1 - 80% or better (i.e., 120 or more on a maximum of 150)
- Class 2 - 65% - 79% (i.e., 98 to 119 out of 150)
- Class P - 50% - 64% (i.e., 75 to 97 out of 150) except Dentistry, Graduate Studies, Librarianship, Medicine, Nursing and Rehabilitation Medicine where the range is 60% - 64%
- Class F - failure, no credit granted: below 50% except Dentistry, Graduate Studies, Librarianship, Medicine, Nursing and Rehabilitation Medicine: below 60%

The following standings also apply:

- A - adjudicated pass: indicates that credit is granted and the course need not be repeated although it may not normally qualify as a prerequisite for further work. The grade assigned by the instructor is used in calculation of averages.
- AEG - aegrotat standing: granted to a student who has been successful in studies but unable to write the final exam because of illness or other extenuating circumstances
- AUD - audit
- C - requirements of subject completed satisfactorily; no grade assigned; unit value granted where applicable; excluded from calculation in all averages
- D - standing deferred; excluded from calculation in all averages
- E - exempt
- N - no credit granted; did not write examination or otherwise complete requirements of the course (discontinued beginning 1985 - 86 session)
- S - supplemental privilege granted; failure; no credit granted; supplementals are not permitted in all faculties
- T - thesis in progress; graduating essay not submitted; course continuing
- W - (introduced in 1988/89 session) official withdrawal
- X - time expired; student did not complete course

Year Standing

In most Faculties each "year" was graded as Class 1, Class 2, Class P, Fail or carried a descriptive clause indicating action taken by the Adjudication Committee.

Degree Standing

Expressed as Class 1, Class 2, Class P, or with Honours; not used by all faculties. In some faculties the calculation of standing was based on the studies of the final two years, in others on the final year only.

THIS DOCUMENT CONTAINS SECURITY FEATURES. HOLD AT AN ANGLE TO VERIFY A WATERMARK BASKET WEAVE DESIGN

NCEES

VERIFICATION OF EXAMINATION

[redacted]

EXAMS

Exam	Hours	Exam Date	Verification
NCEES FE	6.0	July 2019	Verified by NCEES on behalf of Washington on 07/24/2019

NCEES

VERIFICATION OF EXAMINATION

[redacted] [redacted]

EXAMS

Exam	Hours	Exam Date	Verification
NCEES PE - Civil	8.0	December 2023	Verified by NCEES on behalf of Oregon on 01/03/2024

PROFESSIONAL REFERENCE

Generated on July 25, 2025
[redacted])

REFERENCE VERIFICATION

Verifier
Neville Anne Berard
nberard@nhcwater.com
(778) 683-6442

Verification Date
07/25/2025 05:51pm EDT

VERIFIER INFO

Employer
Northwest Hydraulic Consultants

Position
Coastal Engineer

Relationship
Colleague

Licensed engineer
No

Known applicant
3 years

Related to applicant
No

Licensed surveyor
No

PERSONAL EXPERIENCE WITH APPLICANT

From personal knowledge, I verify that the applicant has appropriate experience in the following areas:

- Integrity and ethics

Would you entrust this applicant with responsibility for an important engineering/surveying project involving the health, safety, and welfare of the public?
[redacted] has a strong moral compass and has never shown any indication that she doesn't take the work we do seriously or neglected the importance of public safety. I would trust her to make decisions that ensure completeness of the work. Because of her level of expertise, I would expert this to take the form of significant review and oversight of another professional with experience in the field of coastal engineering. See additional comments about how I supervised Veronique at the beginning of her career (ending in early 2024).

Would you recommend this applicant for licensure as a Professional Engineer/Surveyor?
From my outdated experience with [redacted] (see additional comments below), I don't think she was ready at the time. However I think that she has landed at a company with exceptional mentors and technical specialists who have been able to support her on route to this milestone. I would defer to those mentors as to whether she is ready! Her strong integrity and diligence in ensuring that work is fully understood and then checked have convinced me that she won't take decisions lightly and will not be overconfident in what she can sign off on. I do think that regardless of whether she is granted PE at this moment, she will make a great Professional Engineer.

COMMENTS

I worked with [redacted] from 2022 - 2024. This was her first role in consulting in the coastal engineering industry and she was a junior working partially under my supervision (I am a PEng in British Columbia). She was tentative and inexperienced but keen to learn and interested in the subject matter. Personally I found that a lot of my growth in engineering happened after I had a few years of consulting under experience and I was fully able to commit to technical learning. I suspect that her move to her current company (Blue Coast) would have been a huge improvement on her ability to focus on technical learnings (being back at home in Washington where she wanted to be) and that the nature of the small company would have encouraged her to take on a lot more responsibility. I defer to Jessica Cote (her current supervisor and a well respected industry colleague) on whether her growth to this point has demonstrated that she is ready to take on the role of a PE.

PROFESSIONAL REFERENCE

Generated on August 01, 2025
[redacted]

REFERENCE VERIFICATION

Verifier
Grant Lamont
glamont@nhcwater.com
(604) 980-6011

Verification Date
08/01/2025 11:38am EDT

VERIFIER INFO

Employer
Northwest Hydraulic Consultants

Known applicant
4

Position
Principal

Related to applicant
No

Relationship
Supervisor

Licensed engineer
No

Licensed surveyor
No

PERSONAL EXPERIENCE WITH APPLICANT

From personal knowledge, I verify that the applicant has appropriate experience in the following areas:

- Integrity and ethics
- Independent decision making
- Project management / communications

Would you entrust this applicant with responsibility for an important engineering/surveying project involving the health, safety, and welfare of the public?
[redacted] was very conscientious and diligent in her work. Assuming she has gained in experience I would entrust her with responsibility.

Would you recommend this applicant for licensure as a Professional Engineer/Surveyor?
She has very good values and ethics. Provided her technical experience is now sufficient (see comment below), I would recommend this applicant.

COMMENTS

[redacted] was a junior engineer working in both Seattle and Vancouver (Canada) for our company. In her work in Canada that I supervised she performed well for the level she was at. At the time she did not have the experience I would feel necessary for being a P.E., but since she worked with NHC she has gained additional experience and may be ready now (you will have to rely upon the input of her most recent supervisors). Thus, the only reason I have not checked the box for technical competency and engineering judgement is due to the time period for which I supervise [redacted], and may not be reflective of her present day capacity.

PROFESSIONAL REFERENCE

Generated on July 29, 2025
[redacted]

REFERENCE VERIFICATION

Verifier
Jessica Cote
jessica@gobluecoast.com
(425) 218-4503

Verification Date
07/29/2025 03:57pm EDT

VERIFIER INFO

Employer
Blue Coast Engineering LLC

Position
Principal Coastal Engineer

Relationship
Supervisor

Known applicant
1 year and 4 months

Related to applicant
No

Licensed engineer

Board	Washington
License Number	46704
Date of Licensure	02/25/2010
Discipline	Civil

Licensed surveyor
No

PERSONAL EXPERIENCE WITH APPLICANT

From personal knowledge, I verify that the applicant has appropriate experience in the following areas:

- Technical competency and engineering judgment
- Integrity and ethics
- Project management / communications

Would you entrust this applicant with responsibility for an important engineering/surveying project involving the health, safety, and welfare of the public?
[redacted] is still relatively young and new at engineering design work, she demonstrates good judgement and understanding of design requirements, but has some growth to do before I can verify she has enough experience to be able to make independent decisions. She still requires appropriate QA/QC for her work, and with this, I would be comfortable entrusting the applicant with responsibility for a significant engineering project impacting public health, safety, and welfare, assuming appropriate quality control processes are maintained.

Would you recommend this applicant for licensure as a Professional Engineer/Surveyor?
Yes

COMMENTS

⊘ None

PROFESSIONAL REFERENCE

Generated on July 29, 2025

[redacted]

REFERENCE VERIFICATION

Verifier
Kathryn Elizabeth Ketteridge
kathy@gobluecoast.com
(360) 319-8069

Verification Date
07/29/2025 12:57am EDT

VERIFIER INFO

Employer
Blue Coast Engineering

Position
Principal/Owner

Relationship
Colleague

Known applicant
1.5 years

Related to applicant
No

Licensed engineer

Board	Florida PE
License Number	63094
Date of Licensure	07/15/2005
Discipline	Civil

Licensed surveyor
No

PERSONAL EXPERIENCE WITH APPLICANT

From personal knowledge, I verify that the applicant has appropriate experience in the following areas:

- Technical competency and engineering judgment
- Integrity and ethics
- Independent decision making

Would you entrust this applicant with responsibility for an important engineering/surveying project involving the health, safety, and welfare of the public?
While the applicant has shown they can make sound independent decisions and take initiative in their work, it's worth noting that they are still relatively early in their career, with around four to five years of professional design experience. They've demonstrated good judgment and a solid foundation, and I believe they're well on their way to being fully ready to take on the greater responsibility afforded a licensed engineer. Therefore, I would be comfortable entrusting the applicant with responsibility for a significant engineering project impacting public health, safety, and welfare, assuming appropriate quality control processes are maintained.

Would you recommend this applicant for licensure as a Professional Engineer/Surveyor?
Yes

COMMENTS

⊘ None

PROFESSIONAL REFERENCE

Generated on August 01, 2025
[redacted]

REFERENCE VERIFICATION

Verifier
Gregory Michael Curtiss
greg@gobluecoast.com
(206) 883-3480

Verification Date
08/01/2025 12:11pm EDT

VERIFIER INFO

Employer
Blue Coast Engineering LLC

Position
Senior Coastal Engineer

Relationship
Colleague

Known applicant
March 2024 to July 2025

Related to applicant
No

Licensed engineer

Board	Washington
License Number	49437
Date of Licensure	05/29/2012
Discipline	Civil

Licensed surveyor
No

PERSONAL EXPERIENCE WITH APPLICANT

From personal knowledge, I verify that the applicant has appropriate experience in the following areas:

- Technical competency and engineering judgment
- Integrity and ethics
- Independent decision making
- Project management / communications

Would you entrust this applicant with responsibility for an important engineering/surveying project involving the health, safety, and welfare of the public?
Yes.

Would you recommend this applicant for licensure as a Professional Engineer/Surveyor?
Yes I would recommend [redacted] for licensure.

COMMENTS

[redacted] is a capable junior engineer making progress in her career.

Foreign Degree Evaluation Services

Does the board feel like we should be approving other evaluation services other than NCEES, WES, FIS

Should we establish a policy for accepting other foreign degree evaluation services?

Key aspects evaluators look for:

Verification of Authenticity:

- They confirm that the transcripts are genuine and that you attended the institution you claim to have.

Institutional Accreditation:

- The evaluator checks if the foreign institution is accredited, which helps determine the validity of the education.

Educational Standard Comparison:

- They compare the educational standards of the foreign country to those in the US to see if your studies meet the required criteria.

Degree Equivalency:

- The service determines if your degree or diploma is equivalent to a specific level of US education, such as a bachelor's degree.

Course-by-Course Analysis:

- This involves reviewing each course, the credits earned, and the grades received.

Grade and GPA Conversion:

- Evaluators convert foreign grading systems into the standard US Grade Point Average (GPA) (often on a 4.0 scale) and use a format for credit hours, like semester credits.

Identification of Upper-Level Courses:

- For advanced studies, evaluators may identify which courses are considered upper-level undergraduate or professional-level.

Content Information:

- They may need to detail the content of your courses if it's required by a specific institution or licensing board.

NCEES Attestation

Original Statement

All WA PE exam applicants must attest to the following statements before they can proceed with registering for and scheduling an exam:

1. *I have passed the NCEES Fundamentals of Engineering examination*.
2. *I acknowledge and understand that passing this NCEES PE examination does not guarantee future licensure in any state or jurisdiction*.
3. *I understand that once I pass the NCEES PE exam, and have earned the necessary qualifying experience, I am required to apply directly to the Washington State Board of Registration for Professional Engineers and Land Surveyors to continue the initial licensure process by submitting the required application and fees, along with all documentation as required by the Board*.

All WA PE exam applicants must attest to the following statements before they can proceed with registering for and scheduling an exam:

New Statement

1. *I acknowledge and understand that passing this NCEES PE examination does not guarantee future licensure in any state or jurisdiction*.
2. *I understand that once I pass the NCEES PE exam and have earned the necessary qualifying experience, I am required to apply directly to the Washington State Board of Registration for Professional Engineers and Land Surveyors to continue the initial licensure process by submitting the required application and fees, along with all documentation as required by the Board*.

Proposed FE Waiver Language

<u>Waiver of the Fundamentals of Engineering (FE) examination:</u>

- To waive the FE exam an applicant must have an approved undergraduate engineering degree and **_____** ***years*** of practical experience.
    - A Board approved Masters program may be considered as an additional 1 year of experience.
    - A Board approved PhD program with at least **_____** ***year(s)*** of practical experience may:
        - ***waive the FE examination.***
        - ***be considered as an additional _____ year(s) of experience.***
    - An applicant requesting a waiver must not have failed the FE examination in the previous 10 years.

BRPELS
BOARD OF REGISTRATION
FOR PROFESSIONAL ENGINEERS
& LAND SURVEYORS

CHAPTER 196-12 WAC

WAC 196-12-005 Declaration and purpose. This chapter contains rules and procedures for applications, examinations, experience, education, and eligibility to become licensed as professional engineers.

WAC 196-12-010 Licensure requirements for all applicants—Initial licensure and licensed in another jurisdiction. To become licensed as a professional engineer in the state of Washington, whether you are applying for an initial license or you possess a license in another jurisdiction, you must meet the requirements for experience and examinations described below, which need not be completed within the state of Washington:

(1) **Experience:** Have eight years of experience in engineering work of a character satisfactory to the board:

(a) The eight years may be a combination of education and practical work experience.

(b) The eight years of experience must be broad based and progressive to include gaining knowledge and comprehension of engineering subjects and applying engineering principles.

(2) **Examination requirements:** An applicant must have received passing scores on two stages of examination(s). One must test the fundamentals of engineering and the other must test the principles and practice of engineering. Exam results must be independently verified by a NCEES member board, or a board approved foreign jurisdiction.

(a)(i) **Fundamentals of engineering examination** must meet the following requirements:

(ii) The examination must be either:

(A) The National Council of Examiners for Engineering and Surveying (NCEES) fundamentals-of-engineering (FE) examination; or

(B) An equivalent examination as determined by the board which tests the applicant's knowledge of appropriate fundamentals of engineering subjects including mathematics and the basic sciences as defined in RCW 18.43.040 (1)(b)(i) and was administered by a board approved foreign jurisdiction.

(b) **Fundamentals of engineering examination waiver** shall be granted to an applicant licensed in another jurisdiction provided that:

(i) The professional engineering license is currently active and is in good standing.

(ii) The license is in a branch of engineering currently recognized by the board.

(iii) The applicant has been actively licensed in a board recognized licensing jurisdiction for a minimum of 10 years since receiving their initial professional engineering license.

(c) **Principles and practice of engineering examination:** The principles and practice of engineering (PE) examination must be the examination administered by NCEES.

(3) **Additional licensure requirements:** An applicant must meet the following additional requirements for licensure:

(a) Receive a passing score on the Washington engineer law review exam;

(b) Fully complete the application form to the satisfaction of the board; and

(c) Pay all applicable fees.

WAC 196-12-013 FE examination application. (1) **ABET accredited degree applicants.** For those who have attended ABET

accredited degree programs and now have reached senior standing, applications to take the FE examination may be completed online directly with NCEES. Applicants should list the state of Washington as their licensing state.

(2) **All other applicants.** Those who do not meet the requirements of subsection (1) of this section must fill out the FE exam application provided on the board website, https://brpels.wa.gov/, demonstrate they meet the requirements, provide required documentation, and be approved by the board to take the examination.

Further details on education experience records are provided under WAC 196-12-021.

WAC 196-12-014 PE licensure application form. The board has a single application form for PE licensure in the state of Washington. This application form must be used by all applicants including those applying for the PE exam and licensure concurrently, those who have already taken the PE examination in another jurisdiction but have not obtained their initial

license, and those who are already licensed in another jurisdiction and are seeking a license in Washington state.

(1) **Current PE examination and licensure applications:** Applicants who have not taken the PE examination will apply for both the PE examination and licensure on the application form. In order to be approved by the board to take the PE examination, the applicant must complete all sections of the form, except the date and location of taking the PE exam and must otherwise meet all of the qualifications for licensure. Upon passing the PE examination, the applicant is also qualified for licensure.

Applications for PE examination and licensure must be received at the board's address with the applicable fee by the date posted on the board's website.

(2) **All other applicants for PE licensure in Washington state.** All other applicants applying for licensure in the state of Washington, including those who are licensed in another jurisdiction or have passed the Principles & Practices of engineering examination but have not obtained their initial license, must complete all sections of the application form provided by the board.

(3) All applicants must provide information on the application form that demonstrates they meet all requirements for licensure. This includes work experience requirements, education requirements, and examination requirements as detailed in WAC 196-12-010, 196-12-020, and 196-12-021; and RCW 18.43.040.

(4) All applicants must provide the following documents to verify the work experience, education, and examination requirements:

Commented [SG1]: This section needs edited.
1.Are we going to accept NCEES records for experience?
2.Check w/ Kevin - what is the name of the experience form If it is no longer a separate form this section will need rewritten.

(a) A completed NCEES record transmitted to the Washington board; or

(b) Provide all the following documents:

(i) Education experience records - Official transcripts or the equivalent, showing all grades and degrees.

(ii) Work experience records - Completed form titled "Professional Engineering Experience Verification" which includes not only work experience information and details but also verifications of work experience by supervisors or other verifiers, per RCW 18.43.050.

(iii) Verification of licensing in any other jurisdiction(s), if any.

(iv) Verification of passing the FE examination or its equivalent (if any) or verification of FE waiver and verification of passing the PE examination.

WAC 196-12-020 Work experience records. The following criteria will be used in evaluating an applicant's experience record:

(1) Work experience will be approved based on a demonstration of competency and progressive responsibility in the analysis, synthesis and evaluation of engineering concepts and data, under the direct supervision of a person authorized by chapter 18.43 RCW or other applicable statute to practice engineering. Under the general guidance and direct supervision of an authorized professional, the applicant must be in a position of making independent judgments and decisions in the following experience areas:

(a) Formulating conclusions and recommendations;

(b) Identifying design and/or project objectives;

(c) Identifying possible alternative methods and concepts;

(d) Defining performance specifications and functional requirements;

(e) Solving engineering problems;

(f) Interacting with allied professionals;

(g) Effectively communicating recommendations and conclusions;

(h) Demonstrating an understanding and concern for energy/environmental considerations, socioeconomic impact, and sustainability of resources.

(2) Engineering teaching may be considered satisfactory experience up to a maximum of two years at the discretion of the board.

(3) Applied research is considered satisfactory experience when it meets the following conditions:

(a) The research must be conducted under the guidance or supervision of a professional engineer. For the purposes of this subsection, guidance or supervision means being cognizant of all applicable aspects of the work and a reviewer of all applicable reporting documentation.

(b) The principal result(s) of the research are in a published report or a recognized engineering journal article in which the applicant is the primary author or the work is adequately documented and available to the board upon request.

(4) For military engineering experience to be considered acceptable, it should be similar to engineering experience that would be gained in a nonmilitary environment as defined in subsection (1) of this section, and such experience must be verified.

(5) Experience credit for an undergraduate degree cannot be earned concurrently with work experience credit. No more than one year of experience will be granted for one calendar year.

(6) Work experience gained while enrolled in a postgraduate engineering program may be considered satisfactory experience at the discretion of the board. No more than one year of experience will be granted for one calendar year.

(7) All work experience gained must be under the direct supervision of a professional engineer authorized to practice under chapter 18.43 RCW or an individual authorized by another statute to practice engineering.

WAC 196-12-021 Education as experience. Education may be counted towards the eight years of experience requirement specified in WAC 196-12-010. Official transcripts must be sent to the board's office for review and approval.

Commented [SG2]: Is this still true? Or are we checking NCEES for verified transcripts?

(1) A baccalaureate degree in engineering in a program accredited by the accreditation board for engineering and technology (ABET) is equivalent to four years of required experience. Satisfactory completion of each year of such an approved program is equivalent to one year of experience.

(2) A degree in engineering from a non-ABET accredited engineering program may be given four years at the discretion of the board. The board will determine if the degree is satisfactory in awarding years of experience.

(3) No more than one year may be granted for postgraduate engineering courses.

(4) A baccalaureate degree in a nonengineering program will be given a maximum of two years of experience.

(5) An associate degree in engineering from an approved program may be equivalent for up to two years of experience.

(6) Sporadic engineering related education may be considered as experience by the board at its discretion. For example, one or two engineering classes taken at a time, often at different schools; and/or classes taken through industry or the military may count as experience. In evaluating this type of education, the board will compare the courses taken to college coursework in a baccalaureate of engineering degree program.

(a) A number of foreign degree programs are included in mutual recognition agreements entered into by ABET with other accrediting authorities. Applicants with a degree from one of these programs will be evaluated by the board.

(b) Applicants having engineering degrees from programs in countries that are not ABET accredited will be required to have their transcripts evaluated by a transcript evaluation service approved by the board. This evaluation will be performed at the applicant's expense, and the applicant will be responsible for submitting all necessary information to the evaluation service. The board will use the evaluation to determine if the foreign degree is satisfactory to the board to award years of experience.

(c) An applicant with an undergraduate degree from a foreign program that is not ABET accredited, is not required to have their undergraduate degree evaluated if they have a graduate degree in engineering from a school that has an ABET accredited undergraduate engineering degree program in the same discipline as the graduate degree. Years of experience will be determined at the discretion of the board.

For maximum experience credit the applicant must have their non-ABET accredited undergraduate degree from a foreign program evaluated by a transcript evaluation service approved by the board.

(7) Any other education may be taken into account and evaluated on its merits by the board.

WAC 196-12-030 Additional branches of engineering. A professional engineer with a current registration in the state of Washington that is seeking to become licensed in an additional branch of engineering must pass the principles and practice examination for that additional branch.

WAC 196-12-047 Structural licensing requirements. The branch of structural engineering requires specialized work experience to protect the public health, safety, and welfare. To be licensed as a structural engineer, an applicant must:

(1) Be currently licensed as a professional engineer in Washington state;

(2) Have at least two years of progressive responsibility in structural engineering experience in addition to the eight years of engineering experience required to be registered as a professional engineer. The structural experience should:

(a) Demonstrate the applicant's ability to design building structures or nonbuilding structures integrated within "significant structures" as defined in RCW 18.43.020(12);

(b) Be progressive in difficulty and magnitude;

(c) Demonstrate breadth and depth of seismic design and detailing experience for projects in seismic regions similar to those located in Washington state;

(d) Incorporate two of the four common construction materials (steel, concrete, wood, and masonry);

(e) Reflect ability to design and apply structural engineering principles that show sound judgment on projects involving public health, safety, and welfare;

(f) Be supervised by a licensed professional engineer in the branch of structural engineering or a licensed professional engineer with substantial structural engineering work experience for projects in seismic regions similar to those located in Washington state; and

(3) Pass a board approved structural exam.

WAC 196-12-055 Permit for temporary practice. Any nonresident engineer who intends to practice engineering in the state of Washington on a temporary basis must provide the board with the following before starting any work:

(1) A completed application with applicable fees.

(2) Dates work is to be started.

(3) Name and address of client.

(4) Description and location (address) of project.

(5) Name and contact information for local permitting authority.

Plans, specifications, and reports prepared by the nonresident engineer must be signed, dated, and stamped with their professional seal. A copy of the permit issued by this board shall be attached to the engineering documents submitted for approval or building permit.

WAC 196-12-065 Retired status. A professional engineer having reached the age of 65 and having discontinued active practice as a professional engineer may be eligible for retired status. "Active practice" is defined as exercising direct supervision and control over any professional engineering activity as defined in RCW 18.43.020(58).

(1) Request for retired status. Upon approval, ~~a request for retired status will be granted effective the next scheduled renewal date~~the retired status becomes effective on the date provided by the licensee on the application, or when the licensee reaches the age of sixty-five. The board will not provide a refund of renewal fees if the application for retired status is made and granted before the date of expiration of the certificate of registration.

(2) A licensee on retired status may:

(a) Retain the board issued wall certificate of registration;

(b) Use the title "retired professional engineer" or "PE-retired" or "SE-retired" as appropriate;

(c) Work as an engineer in a volunteer capacity, provided that the retired licensee does not create an engineering document or use their seal;

(d) Provide experience verifications and references for persons seeking registration;

(e) Serve as an instructor for engineering related courses;

(f) Provide services as a technical expert before a court, or in preparation for pending litigation, on matters directly related to engineering work performed by the licensee;

(g) Serve in a function that supports the principles of registration and/or promotes the profession of engineering, such as members of commissions, boards or committees;

(h) Serve in an engineering capacity as a "good samaritan." The state laws governing such activity are RCW 38.52.195 and 38.52.1951 and chapter 18.43 RCW.

(3) A licensee on retired status must not:

(a) Perform any engineering activity, as provided for in RCW 18.43.020(~~5~~8), unless the activity is under the direct supervision of a licensed professional engineer with an active registration in Washington;

(b) Act as the designated engineer for a corporation or limited liability company;

(c) Apply their professional engineers seal to any plan, specification, or report.

(4) Certificate of registration reinstatement. A retired licensee may resume active engineering practice with payment of the current renewal fee.

(5) Exemptions. A licensee is not eligible for retired status if their license to practice is under board ordered sanction. This exemption exists until the sanctions have been lifted or satisfied by the board.

CHAPTER 196-16 WAC

-196-16-006

Declaration and purpose.

This chapter contains rules and procedures for applications, eligibility and examinations to become licensed as a professional land surveyor~~s~~ under chapter 18.43 RCW.

PDF **196-16-007**

Eligibility and applications for all applicants.

The law requires eight years of experience in land surveying work of a character satisfactory to the board and passing those examinations determined by the board to evaluate the knowledge, experience and skill ~~of a land surveyor~~ to practice in the this state ~~e fundamentals of land surveying examination~~ to be ~~eligible for the~~licensure ~~as a~~ professional land surveyor ~~examination~~. ~~The eight years of experience must be completed sixty days prior to the date of the examination.~~

~~All applications must be completed on forms provided by the board and filed with the executive director at the board's address. The deadline for properly completed applications accompanied by the appropriate fee as listed in WAC **196-26A-025** is four months prior to the date of the examination. Late applications will be considered for a later examination. Supporting documents such as college transcripts and experience verification forms must be received by the board three months prior to the date of the examination in order for the board to determine eligibility prior to examination deadlines. Failure to have the supporting documents sent to the board by the defined deadline will result in the applicant being delayed until a later examination.~~ The board has a single application form that must be used by all applicants seeking PLS licensure in the state of Washington. Applications must be received at the board's address with the applicable fee by the date posted on the board's website.

(1) All applicants must provide information on the application form that demonstrates they meet all requirements for licensure. This includes work experience requirements, and examination requirements as detailed in WAC 196-16-XX, WAC 196-16-XX and RCW 18.43.040.

(2) All applicants must provide documentation to verify work experience, education and examination requirements, by submitting supporting

Commented [BM1]: need to move towards removing names of exams from WACs and RCWs. In 2027, the board could potentially have 5 separate exams as a requirement

Commented [GS2R1]: I think that we should name the FS examination. It's not changing. They don't have to be listed here, but I think they should be listed under the "Examinations" section. My reasons for this is that there is a FE/FS waiver section in RCW 18.43.100. And I thought the Board decided they'd consider a FS waiver if the requirements were met (which would be new language)

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documentation, such as transcripts and work verification forms or transmitting a completed NCEES record to the Washington board.

~~Once an application has been approved, no further application is required. An applicant who has taken an examination and failed or who qualified for an examination but did not take it shall request to take or retake the examination at least three months prior to the examination date. A written request accompanied by the applicable fee as listed in WAC **196-26A-025** is required to reschedule for an examination.~~

PDF **196-16-010**

Experience records.

~~The board shall evaluate all experience, which includes education, on a case-by-case basis and approve such experience as appropriate.~~ The ~~board will use the~~ following criteria will be used in evaluating an applicant's experience record.

(1) Education experience will be based on transcripts. ~~Therefore, any~~Any transcripts not previously sent to the board's office should be submitted for maximum experience credit. Education may be approved as experience based on the following:

(a) Graduation with a baccalaureate degree in land surveying from an approved curriculum shall be equivalent to four years of required experience.

(b) Graduation with an associate degree in land surveying from an approved curriculum shall be equivalent to two years of required experience.

(c) Each year completed of an approved land surveying curriculum without graduation shall be granted up to a year of required experience.

(d) A maximum of one year may be granted for postgraduate ~~college~~ land surveying courses approved by the board. ~~Postgraduate education will count toward the eight years of required experience as described in subsection (2) of this section.~~

(e) Any other education ~~will~~ may be taken into account and evaluated on its merits by the board.

(f) Experience gained between semesters or quarters or during summers while enrolled in an approved curriculum will be considered as part of the educational process. The board grants one year of experience for a year of approved education including any associated work experience within that year.

(2) ~~In evaluating work~~Work experience~~, the board~~ will be ~~looking for~~based on a demonstration of eight years of broad based, progressive field and office experience in surveying work under the direct supervision of a person authorized

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"Experience credit for an undergraduate degree cannot be earned concurrently with work experience credit. No more than one year of experience will be granted for one calendar year."

by chapter **18.43** RCW or other applicable statute to practice land surveying. , a minimum of four years of which shall be in a position of making independent judgments and decisions underUnder the general guidance and direct supervision of an authorized professional, the applicant must be in a position of making independent judgments and decisions in the following experience areas: except as provided for in subsections (1)(d) and (3) of this section. This latter experience shall not be limited to, but must include the following:

(a) Applying state, federal and case law;

(b) Exercising sound judgment when making independent decisions regarding complex boundary, topographic, horizontal and vertical control, and mapping issues;

(c) Field identification and evaluation of boundary evidence, including monumentation, and the ability to use that evidence for boundary determination;

(d) Conducting research;

(e) Preparing and analyzing complex property descriptions; and

(f) Interacting with clients and the public in conformance with chapter **196-27A** WAC.

The board may grant partial credit for experience that does not fully meet the requirements in (a) through (f) of this subsection.

(3) Surveying Teaching teaching of a charactermay be considered satisfactory to the board may be recognized as surveying experience up to a maximum of two years at the discretion of the board.

(4) In evaluating combined education and experience the board will be looking at transcripts and work experience to determine knowledge in subsection (2)(a) through (f) of this section.

(5) Any All work experience gained in a situation which violates the provisions of chapters **18.43** and **18.235** RCW or Title 196 WAC will not be credited towards the experience requirementmust be under the direct supervision of a professional land surveyor authorized to practice under chapter 18.43 RCW or an individual authorized by another statute to practice land surveying.

(6) A registered professional engineer who applies to become registered as a professional land surveyor must meet the requirements stated within this section.

PDF **196-16-020**

Examinations.

(1) To become licensed as a professional land surveyor the candidate must pass the following examinations:

(1) ~~fundamentals~~**Fundamentals-of-land surveying** examination must be either:

(a) The National Council of Examiners for Engineering and Surveying (NCEES) fundamentals-of-land surveying (FS) examination; or

(b) An equivalent examination as determined by the board which tests the applicant's knowledge of appropriate fundamentals of land surveying subjects including mathematics and the basic sciences as defined in RCW 18.43.040(1)(d)(i) and was administered by a board approved foreign jurisdiction.

(c) Fundamentals of land surveying examination **waiver** shall be granted to an applicant licensed in another jurisdiction provided that:

(i) The professional land surveying license is currently active and is in good standing.

(ii) The applicant has been actively licensed in a board recognized licensing jurisdiction for a minimum of 10 years since receiving their initial professional land surveying license.

(2) **Principles, ~~principles~~ and practice of land surveying examination:** The principles and practice of land surveying (PLS) examination must be the examination administered by NCEES.
Exam results must be independently verified by a NCEES member board, or a board approved jurisdiction.

(3) **Washington State land surveying examination:** The Washington State land surveying examination is administered by the board and covers land surveying issues important in Washington State.

If an applicant fails the Washington State land surveying examination or does not appear, they must submit the "State Land Surveyors and On-Site Professionals Reexam Application" and applicable fee by the date posted on the board's website.

~~, and law and ethics examination and any board-determined examaination that evealuates their experience, character and knowledge in land surveying. A candidate must pass the fundamentals-of-land surveying examination before taking the principles and practice examination or any other examinations deignated by the board. The fundamentals and principles and practice examinations are given at times and places designated by the board. See the respective internet websites of the National Council of Examiners for Engineering and Surveying (NCEES), and the board for future examination schedules and syllabi. The law and ethics exam specifically is a take-home n examination covering chapters **18.43** and **18.235** RCW and Title 196 WAC. If oneone or more of these examinations isare failed, only that examination must be retaken.~~

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PDF **196-16-031**

Comity—Registration of applicants qualified in other jurisdictions.

(1) Applicants for registration as a land surveyor by comity must meet the following criteria:

(a) The applicant must complete an application on forms ~~provided~~directed by the board and filed ~~with the executive director~~ at the board's address accompanied by the appropriate fee pursuant to WAC **196-26A-035**;

(b) The applicant's qualifications meet the requirements of chapter **18.43** RCW and this chapter;

(c) The applicant is in good standing with the licensing agency in a state, territory, possession, district, or foreign country. Good standing shall be defined as a currently valid license in the jurisdiction of original registration or the jurisdiction of most recent practice, if different from the jurisdiction of original registration; and

(d) The applicant has been qualified by a written examination determined by the board to adequately ~~test~~evaluate the fundamentals and principles and practice of land surveying and whose experience includes WAC **196-16-010** (2)(a) through (f).

(2) The applicant will be required to pass examinations to demonstrate competency in land surveying issues important to Washington, ~~and~~including law and ethics. Comity applicants will not be required to take ~~the fundamentals of land surveying and full principles and practice~~ examinations ~~administered~~that the board deems the comity applicant has adequately been evaluated for their competency. ~~by the board.~~

Commented [SG6]: I am recommending that this section be repealed. It's redundant.

PDF **196-16-035**

Retired status certificate of registration.

~~In accordance with RCW **18.43.075**, any individual who has been issued a certificate of registration, in accordance with chapter **18.43** RCW, as a~~A professional land surveyor, having reached ~~at least~~ the age of ~~sixty-five~~65 and having discontinued active practice as a professional land surveyor, may be eligible ~~to obtain a "retired certificate of registration."~~for retired status. ~~If granted, further certificate of registration renewal fees are waived. For the purpose of this provision,~~ "~~active~~ Active practice" is defined as exercising direct supervision and control over any professional ~~the development and production of a~~ land surveying ~~document as provided in RCW **18.43.070** and/or any related activities pertaining to the offer of~~

and/or the providing of professional land surveying servicesactivities as defined in RCW **18.43.020**.

(1) Applications. Those persons wishing to obtain theRequests for retired status. of a retired registration shall complete an application on a form as provided by the board. Applications shall be sent to the executive director at the address of the board. Upon receipt of said application and, if deemed eligible by the boardapproval , the retired status would becomes effective on the first scheduled renewal date of the certificate of registration that occurs on or after on the date provided by the licensee on the application, or when the applicant licensee reaches the age of sixty-five. It shall not be necessary that an expired certificate of registration be renewed to be eligible for this status. The board will not provide a refund of renewal fees if the application for "retired" status is made and granted before the date of expiration of the certificate of registration.

(2) Privileges. In addition to the waiver of the renewal fee, a retired registrant is permitted toA licensee on retired status may:

(a) Retain the board issued wall certificate of registration;

(b) Use the title "retired professional land surveyor" or ("PLS – retired"), , provided that it is supplemented by the term retired, or the abbreviation "ret" as appropriate;

(c) Work as a land surveyor in a volunteer capacity, provided that the retired registrant licensee does not create a land surveying document, and does notor use their seal, except as provided for in (d) of this subsection;

(d) Provide experience verifications and references for persons seeking registration under chapter **18.43** RCW. If using their professional seal the retired registrant may place the word "retired" in the space designated for the date of expiration;

(e) Serve in as an instructional capacity oninstructor for land surveying topicsrelated courses;

(f) Provide services as a technical expert before a court, or in preparation for pending litigation, on matters directly related to land surveying work performed by the registrant before they were granted a retired registrationlicensee;

(g) Serve in a function that supports the principles of registration and/or promotes the profession of land surveying, such as members of commissions, boards or committees;

(h) Serve in a land surveying capacity as a "good samaritan," as set forth in RCW **38.52.195** and **38.52.1951**, provided said work is otherwise performed in accordance with chapter **18.43** RCW.

(i) A professional land surveyor in retired status is not required to complete continuing professional development as provided in WAC **196-16-110**. However, if a

Commented [SG7]: RCW 38.52.1951 only applies to architects or engineers.

licensee in retired status ~~land surveyor wishes~~ wants to return to active status, the licensee will need to complete an additional fifteen PDH during their first year of reactivated practice, totaling a minimum of 45 PDH during the reactivated two-year renewal cycle.

(3) ~~Restrictions. A retired registrant is not permitted to~~A licensee on retired status must not:

(a) Perform any land surveying activity, as provided for in RCW **18.43.020**, unless ~~said~~ the activity is under the direct supervision of a ~~Washington state~~licensed professional land surveyor ~~who has a valid/~~with an active registration in ~~the records of the board~~Washington;

(b) Act as the designated land surveyor ~~or land surveyor in responsible charge~~ for a ~~Washington land surveying~~ corporation or ~~Washington land surveying~~ limited liability company;

(c) Apply their professional land surveyor's seal, ~~as provided for in RCW **18.43.070**~~, to any documents ~~plan, specification, plat or report,~~listed in WAC 196-23-020. ~~except as provided for in subsection (2)(d) of this section~~.

(4) Certificate of registration reinstatement. A retired ~~registrant, upon written request to the board and payment of the current renewal fee,~~licensee may resume active land surveying practice with payment of the current renewal fee. ~~At that time the retired registrant shall be removed from retired status and placed on valid/active status in the records of the board. All rights and responsibilities of a valid/active registration will be in effect. At the date of expiration of the reinstated certificate of registration, the registrant may elect to either continue active registration or may again apply for retired registration in accordance with the provisions of this chapter.~~

(5) Exemptions. ~~Under no circumstances shall a registrant be~~A licensee is not eligible for ~~a~~ retired ~~registration~~ status if their ~~certificate of registration~~license to practice is under board ordered sanctions. This exemption exists until the sanctions have been lifted or satisfied by the board.~~has been revoked, surrendered or in any way permanently terminated by the board under RCW **18.43.110**. Registrants who are suspended from practice and/or who are subject to terms of a board order at the time they reach age sixty-five shall not be eligible for a retired registration until such time that the board has removed the restricting conditions.~~

~~(6) Penalties for noncompliance. Any violations of this section shall be considered "misconduct and/or malpractice" as defined in RCW **18.43.105**. Such violations are subject to penalties as provided for in RCW **18.235.110** and **18.43.120**.~~

Commented [DH8]: No conflict with considered changes. The value is upfront emphasis upon competency for those stepping out of retirement. Question is enforceability - maybe just set audits for reactivated practice into audit plans. Question is how we differentiate 15 additional in first year from 30 in two years. Proposed resolution marked.

Commented [DH9R8]: Even this can have people play games…but does emphasize competency.

Commented [SG10]: Should we list all of the final documents defined in WAC 196-23-020(1)?

Commented [BD11R10]: Point to final documents in WAC 196-23 final documents.

CONTINUING PROFESSIONAL DEVELOPMENT FOR PROFESSIONAL LAND SURVEYORS

PDF 196-16-100

Purpose and effective date.

The purpose of the continuing professional development requirement is to encourage licensed professionals ~~land surveyors~~, under chapter **18.43** RCW, to maintain competency in their practice. ~~On July 1, 2007 and thereafter, licensed~~ Licensed land surveyors must meet the requirements of this chapter as a condition of continued licensure.

PDF 196-16-105

Definitions.

Terms used in this section are defined as follows:

(1) Professional Development Hour (PDH)—~~An hour~~The time~~, measured in one hour increments,~~ engaged in a qualifying activity.

~~(2) Continuing Education Unit (CEU)—Unit of credit customarily used for continuing education courses. One continuing education unit equals ten Professional Development Hours.~~

(3) College/Unit Semester/Unit Quarter—Completion of courses in college level curriculums satisfactory to the board.

(4) Qualifying activity—Any activity that is related to professional land surveying or will help the licensee maintain competency in their practice as a professional land surveyor.

(5) Year—That twelve-month period between the anniversaries of the licensee's birth date.

(6) Board—The board of registration for professional engineers and land surveyors.

(7) Renewal Cycle- The period of two years beginning on the licensee's birthdate following receiving their license

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PDF 196-16-110

Requirements.

All licensed professional land surveyors wishing to maintain lawful practice must accumulate ~~fifteen~~ thirty (30) PDH ~~per year of a~~during each two-year renewal cycle. If a licensee exceeds the PDH requirements in any renewal cycle, a maximum of ~~15~~5 PDH units may be carried forward and accumulated into the subsequent renewal cycle. ~~All renewals for licensure as a professional land surveyor are subject to audit by the board.~~ If the licensee's initial renewal period is less than two years, the licensee must have accumulated 15 PDH for that renewal period.

~~On and after January 1, 2019, a~~All licensed professional land surveyors as defined under chapter 18.43 RCW must attest to reading chapters **58.09** RCW (Survey Recording Act) and **332-130** WAC (Minimum standards for land boundary surveys and geodetic control surveys and guidelines for the preparation of land descriptions) at the time of renewal.

Commented [BM12]: Only carryover 5 ensures the licensee is remaining current

Commented [DH13]: Consistent with multiple jurisdictions. Clarity of carry over is not always in code - e.g. OH, only describes the 15PDH carry over upon their activity log - their code is silent. With "the" subsequent renewal cycle, enforceability should be good to not carry forward into years 5-6 or 7-8 (w 1-2 as period of accumulation, and 3-4 as the subsequent)

PDF 196-16-115

Qualifying activities.

The board believes that individuals licensed as professional land surveyors should have the discretion to make independent choices on what activities help them to be improved practitioners. While the board will not provide advance approvals for selected activities or vendors they do expect licensees to seek out qualifying activities that can be demonstrated to the satisfaction of the board that they are relevant to the licensee's continuing professional development.

PDF 196-16-120

Units.

Qualifying activities will accrue PDH as follows:

1. College hours:	
a. Completion of 1 college semester hour	45 PDH
b. Completion of 1 college quarter hour	30 PDH
~~2. 1 Continuing education unit~~	~~10 PDH~~
3. For publication or presentation of each:	
a. Authored technical paper or article	10 PDH
b. Authored book	30 PDH
4. Membership in professional/technical societies or government committees or boards. (Not to exceed 5 PDH/year)	2 1/2 PDH
5. For each hour of attendance at professional or technical society meeting with an informational program. (Not to exceed 10 PDH/year)	1 PDH

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6. For each hour of attendance at board meetings or committee meetings of the board. (Not to exceed 10 PDH/year)	1 PDH
7. For each hour of preparation and subsequent presentation (*) of a professional development program at seminars, professional/technical meetings, conventions or conferences. (Not to exceed 10 PDH/year) (*) *This credit does not apply to full-time faculty*	1 PDH
8. For each hour of participation in committees of organizations whose purpose is to develop codes, standards, examinations and regulations.	1 PDH
9. For each hour of participation in an activity involving substantial and organized peer interaction, excluding time spent during regular employment. (Not to exceed 5 PDH/year)	1 PDH
10. For each hour of participation in organized courses, including employer provided courses, on technical or management skills. (Not to exceed 5 PDH/year)	1 PDH
11. For each hour of participation in sessions, or courses sponsored by technical or professional societies, organizations or the board.	1 PDH
12. Each hour of self-study. (Not to exceed 5 PDH/year)	1 PDH
13. For reading chapters **58.09** RCW and **332-130** WAC.	2 PDH
14. Completion of CFedS program.	30 PDH
15. For each hour of participation in organized first aid, safety, and security training. (Not to exceed 5 PDH/year)	1 PDH

PDF **196-16-125**

Activities that do not qualify for PDH credits.

The following are not considered qualifying activities:

(1) Taking courses, specialized instruction or meeting performance criteria that were conditions of a board order.

(2) Attendance or testimony at legislative hearings.

(3) Attendance or testimony at city or county council meetings/hearings.

(4) Attendance or testimony at civil or criminal trials.

(5) Time spent fund raising ~~for scholarships or other society~~ purposes or lobbying for legislation.

(6) Attendance at gatherings that are primarily social in nature.

(7) Membership and/or attendance in service club meetings.

Commented [BM14]: conflicts with attending society meetings and conferences

PDF **196-16-130**

Determination of credit.

The board is the final authority with respect to acceptance of claimed qualifying activities and the respective PDH credit. Qualifying activity becomes eligible for credit upon completion of the given activity. ~~. Credits gained in excess of~~

Commented [DH15]: Remove from here as it is about accrual not about whether the activity is creditable.

~~the fifteen PDH annual requirements may be carried forward to the next renewal period.~~

PDF **196-16-135**

Recordkeeping and audits.

The licensee is responsible for maintaining records to be used to support credits claimed. Records should include date of activity, instructor's name, description of activity, number of contact hours and location. The licensee is required to keep their records of continuing education covering the cumulative time in the current renewal period and the full two years of the prior renewal period.

All renewals for licensure ~~as a professional land surveyor~~ under chapter 18.43 RCW . All continuing professional development records and supporting documentation must be furnished to the board upon request.

If an audit disqualifies credits that were reported to the board by a licensee and results in the licensee failing to complete the PDH requirements, the board may not renew the license and require the shortage to be made up in the subsequent renewal period.

Commented [DH16]: Moved from Requirements as this is the right place

Commented [DH17]: Concern - does this have to be a Board Order - and would that not place the applicant in 'NOT 'good standing'

PDF **196-16-140**

Noncompliance with continuing professional development.

(1) A licensed land surveyor who fails to comply with the requirements of this chapter is subject to disciplinary action by the board.

(2) A licensed land surveyor who, through the course of an audit, is found to have falsified continuing professional development documentation to the board is subject to disciplinary action by the board.

PDF **196-16-145**

Exemptions.

Individuals who are in "Retired Status" as provided in WAC **196-16-035** or have been approved for "Inactive Status" as provided in WAC **196-16-155** are

exempt from the requirements of collecting continuing professional development hours.

PDF 196-16-150

Waivers.

The board may grant a waiver to the time requirement for collection of continuing professional development to individuals who qualify. A request for a waiver must be made in writing and clearly state the justification and include any necessary documentation required by the board. All waivers expire on the next date of license renewal cycle unless the board grants an extension.

The board may grant waivers for:

(a) Physical disability, prolonged illness, or other extenuating circumstances that pose a personal hardship.

(b) Individuals who have been placed on active military duty for at least one hundred twenty days.

PDF 196-16-155

Inactive license status.

Any licensee who ~~signs a board approved affirmation that they are not engaged in the practice of land surveying~~has satisfied the requirements for licensure under chapter 18.43 RCW is eligible for inactive license status. Those with inactive status are prohibited from land surveying practice as defined in chapter RCW. A licensee on inactive status may reinstate their license to active status by written request to the board and payment of any applicable fees~~. In the first year of reactivated practice the licensee may be required by the board to collect an additional fifteen PDH.~~ If an inactive status land surveyor wishes to return to active status, the licensee will need to complete an additional fifteen PDH during their first year of return to active practice, totaling a minimum of 45 PDH during the reactivated two-year renewal cycle.**18.43** RCW. A licensee on inactive status may reinstate their license to active status by written request to the board and payment of any applicable fees~~. In the first year of reactivated practice the licensee may be required by the board to collect an additional fifteen PDH.~~ If an inactive status land surveyor wishes to return to active status, the licensee will need to complete and provide proof of collecting an additional fifteen PDH during their first year of return to active practice, totaling a minimum of 45 PDH during the reactivated two-year renewal cycle.

Commented [SG18]: The affirmation is an application that they complete and send into the board, so staff can put them into inactive status. We need this application otherwise, if they do not renew their license, they eventually goes into cancelled status, and they would have to pay a penalty fee. Those in inactive status do not pay a penalty fee.

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Commented [DH19]: Make this fully parallel to retired status resumption to active. Removing 'may' else we would have to make some individualized value assessment of applicant

Commented [DH20]: No conflict with considered changes. The value is upfront emphasis upon competency for those stepping out of retirement. Question is enforceability - maybe just set audits for reactivated practice into audit plans. Question is how we differentiate 15 additional in first year from 30 in two years. Proposed resolution marked.

Commented [DH21R20]: Even this can have people play games…but does emphasize competency.

PDF **196-16-160**

Comity/out-of-jurisdiction resident.

The continuing professional development requirements, as provided for in this chapter, may be satisfied when the board can verify that a licensee has satisfied continuing professional development requirements in another state, which are judged by the board as equivalent to the requirements of this chapter.

Commented [DH22]: Strike this as irrelevant - we have requirements for PDH accrual during periods of licensure, demonstrable when they renew. We do not have such for new (initial) licenses and they should not be here for comity/out of jurisdiction. Once licensed here, whatever path, they become subject to our rules. No where do we otherwise state or infer that they cannot use said PDH claims in other jurisdictions so why should we state the obvious that they can use them here and impose a Board judgement (extra work) upon such.

Commented [BM23R22]: I disagree. Various states also discuss waivers and PDHs that do not meet the total number under our requirement, i.e., If a state only requires 5 PDHs then they would not satisfy WA. Likewise, if another state uses a calendar year renewal cycle, they may not satisfy our requirement

STATE OF WASHINGTON
BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS & LAND SURVEYORS
P.O. Box 9025, Olympia, WA 98507-9025
360.664.1575
brpels.wa.gov

TO: Exam Qualifications Committee **September 29, 2025**

FROM: Kevin Ballard

SUBJECT: September 2025 Exam Performance Report

On-Site Licensing Examination

September 2025 Cut Score:	80
Total Pass:	2/16
Pass Rate:	13%
High Score:	85%
Low Score:	55%

Designers:

First Time:	2
Total Pass:	0/4

Inspectors:

First Time:	7
Total Pass:	2/12

Past Exam Dates	Cut Score	Pass Rate
April 2021	81	57%
September 2021	82	46%
March 2022	81	44%
September 2022	82	38%
March 2023	81	64%
September 2023	82	63%
March 2024	81	57%
September 2024	82	31%
March 2025	81	57%

Exam Scores

70	72
85	73
80	65
60	62
71	69
76	69
76	75
55	77

Average Score: 71 71%

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Land Surveyor Examination Results

September 2025 Cut Score:	73
Total Pass:	11/26
Pass Rate:	42%
High Score:	98%
Low Score:	48%
First Time:	19

Past Exam Dates	Cut Score	Pass Rate
April 2021	68	48%
September 2021	70	46%
March 2022	68	55%
September 2022	70	53%
March 2023	68	50%
September 2023	70	51%
March 2024	68	50%
September 2024	70	54%
March 2025	70	78%

Exam Scores

29	26	33
19	26	29
25	35	25
31	23	26
26	28	28
30	26	27
36	26	33
26	33	33
29	21	
Average Score:	28	71%