

CAREER AND TECHNICAL EDUCATION CERTIFICATE

Licensure Requirement Details

MARINE TRADES TECHNOLOGY #4187

Prepared by the Office Career and Technical Education

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INTRODUCTION

The following information is provided by the Department of Education to serve as a self-evaluation guide for individuals interested in applying for a career and technical education teaching certificate in the State of New Jersey using the alternate route program. The guide provides information about eligible degrees, employment experience, and self-employment experience that can be used to apply for a certificate. It also contains information regarding required state-issued licenses or credentials, when applicable. Note that this guide is not meant to be used to determine actual eligibility to apply, and it does not contain all of the requirements for an actual certificate application. For complete application information, visit the Office of Licensure and Credentials website at <http://www.nj.gov/education/educators/license/>. **Individuals who do not hold the required credentials listed on this detail page should consult Part F: Other Credentials.**

PART A: CAREER AND TECHNICAL EDUCATION CERTIFICATE AND PROGRAM

The holder of a **Marine Trades Technology Career and Technical Education Certificate #4187** issued by the New Jersey Department of Education is eligible to teach in the following secondary career and technical education program offered by public school districts in the State of New Jersey:

- ***Marine Maintenance/Fitter and Ship Repair Technology/Technician, Program CIP Code #470616:*** A program that prepares individuals to apply technical knowledge and skills to repair outboard and inboard engines; test, maintain, and repair steering devices and electrical systems; repair metal, wood, and fiberglass hulls and vessel components; fabricate and maintain sails; and repair and balance propellers and drive shafts.

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PART B: REQUIRED STATE-ISSUED LICENSE OR CREDENTIAL

Currently, there are no State-issued occupational licenses or credentials required for this teaching certificate.

PART C: APPLICATION FOR CERTIFICATE USING A DEGREE

Option 1: Bachelor's degree or higher

Currently, there are no four-year or higher degrees for this teaching certificate in the State of New Jersey. Applicants must apply under the requirements of **PART D** or **PART E**, below.

Option 2: Associate's degree

Currently, there are no two-year degrees for this teaching certificate in the State of New Jersey. Applicants must apply under the requirements of **PART D** or **PART E**, below.

PART D: APPLICATION FOR CERTIFICATE USING EMPLOYMENT EXPERIENCE

Applicants using this option must meet all of the following requirements, and should review the requirements prior to submitting an application. The requirements include the following:

- Possession and documentation of eligible employment experience*
- Successful completion of an examination in physiology, hygiene and substance abuse
- Successful completion of a basic skills assessment (PRAXIS I[®] exams)
- Successful completion of a 24-hour introduction to teaching course

***NOTICE:** The New Jersey Department of Education uses the federal Occupational Information Network (O*NET) as its standard for determining eligible employment experience. O*NET lists the following additional applicable job titles for the **Marine Trades Technology Career and Technical Education Certificate #4187**: *Motorboat Mechanic, Marine Technician, Marine Mechanic, Mechanic, Boat Mechanic, Boat Rigger, Outboard Technician, Outboard Motor Mechanic, Service Technician, and Marine Propulsion Technician.*

Requirements:

1. Submit evidence of at least four years (8,000 hours) of eligible full-time or part-time employment in one or more of the job titles identified above.
 - a) The eligible employment experience must be within 10 years of the date of the application submitted to the New Jersey Department of Education. Employment experience that is older than 10 years will not be accepted.
 - b) The eligible employment experience must be documented by the applicant's employer(s) using the Department of Education's Statement of Employment Experience form. If the applicant's eligible employment experience was obtained from more than one employer during the period of time for which eligible hours will be calculated, then a separate Statement of Employment Experience form must be

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completed by each employer. Employment experience submitted in any other format will not be accepted. Applicants may download the Statement of Employment Experience form from the Department of Education's website at the following link: http://www.nj.gov/education/educators/license/forms/voc_employer_experience.pdf

- c) The employer(s) completing a Statement of Employment Experience form(s) will comment on the applicant's work performance and safety practices for the following general occupational competencies and tools as identified in the O*NET Job Description for this occupation, as follows:

TASKS:

- *Disassemble and inspect motors to locate defective parts, using mechanic's hand tools and gauges.*
- *Mount motors to boats and operate boats at various speeds on waterways to conduct operational tests.*
- *Start motors, and monitor performance for signs of malfunctioning such as smoke, excessive vibration, and misfiring.*
- *Document inspection and test results, and work performed or to be performed.*
- *Replace parts such as gears, magneto points, piston rings, and spark plugs, and reassemble engines.*
- *Idle motors and observe thermometers to determine the effectiveness of cooling systems.*
- *Set starter locks, and align and repair steering or throttle controls, using gauges, screwdrivers, and wrenches.*
- *Adjust carburetor mixtures, electrical point settings, and timing while motors are running in water-filled test tanks.*
- *Repair engine mechanical equipment such as power-tilts, bilge pumps, or power take-offs.*
- *Inspect and repair or adjust propellers and propeller shafts.*

Applicants will attach the above list of tasks and tools to the Statement of Employment Experience form(s) prior to submitting the form(s) to an employer(s) for completion. Based upon the O*NET Information page 49-3051.00 - Motorboat Mechanics. O*NET website: <http://online.onetcenter.org/link/summary/49-3051.00>

2. Applicants must pass an examination in physiology, hygiene and substance abuse issues pursuant to *N.J.A.C. 6A:9-5.9*, including the effects of narcotics and alcohol. The examination is administered at the county offices of education. In lieu of this examination, the applicant may present basic military training or college level study in areas such as biology, health or nutrition. To obtain details regarding this test, contact a county office of education: <http://www.state.nj.us/education/counties/>
3. Applicants must pass the PRAXIS I[®] basic skills tests*, including the following:
 - Praxis Pre-professional Skills Test Reading (#10710)
 - Praxis Pre-professional Skills Test Writing (#20720)
 - Praxis Pre-professional Skills Test Mathematics (#10730)

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For more information regarding the PRAXIS I® basic skills tests, visit the “New Jersey: Praxis Test Requirements” page of the Employment Testing Service (ETS) website at the following link: <http://www.ets.org/praxis/nj>. Scroll to the bottom of the page to “Career and Technical Education.” The three required tests are in the column to the right. Test preparation information and materials are also available from ETS. On the webpage, go to the “In This Section” selection in the upper left-hand corner and click on “For Test Takers.” Select the PRAXIS I® Pre-Professional Skills Test (PPST) link, which goes to the PRAXIS I® Overview page. Click on the light blue “Prepare for the Test” tab. Select one of the three PRAXIS I® tests. Each link goes to a page that contains free test prep information as well as test guides that may be purchased.

***NOTICE:** Applicants who have completed a college degree (two-year, four-year or higher) in any subject area, regardless of GPA, are not required to take the PRAXIS I® tests.

4. Applicants must complete a 24-hour introduction to teaching course through an authorized provider, which serves as an introduction to the teaching profession for those individuals who are exploring career options. Topics include classroom management, lesson planning, introduction to New Jersey core curriculum content standards, and assessment of pupil progress. To obtain information regarding this requirement, read the section titled, “New Requirement for Certificate of Eligibility,” on the following website: <http://www.nj.gov/education/educators/license/advisories/applicant.htm>

PART E: APPLICATION FOR CERTIFICATE USING SELF-EMPLOYMENT EXPERIENCE

Applicants using this option must meet all of the following requirements, and should review the requirements prior to submitting an application. The requirements include the following:

- Possession and documentation of eligible self-employment experience*
- Successful completion of an examination in physiology, hygiene and substance abuse
- Successful completion of a basic skills assessment (PRAXIS I exams)
- Successful completion of a 24-hour introduction to teaching course

***NOTICE:** The New Jersey Department of Education uses the federal North American Industry Classification System (NAICS) as its standard for determining eligible self-employment experience. NAICS lists the following applicable code for the **Marine Trades Technology Career and Technical Education Certificate #4187:**

- *NAICS # 336611 Ship Building and Repairing*

NAICS website: <http://www.census.gov/epcd/naics02/def/ND336611.HTM#N336611>

Requirements:

1. The candidate shall present a notarized letter from a tax preparer and/or an attorney verifying the following:

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- a) The applicant has at least four years (8,000 hours) of eligible self-employment in the NAICS code identified above.
 - b) The eligible self-employment experience is within 10 years of the date of the application submitted to the New Jersey Department of Education. Self-employment experience that is older than 10 years will not be accepted.
2. Applicants must pass an examination in physiology, hygiene and substance abuse issues pursuant to *N.J.A.C. 6A:9-5.9*, including the effects of narcotics and alcohol. The examination is administered at the county offices of education. In lieu of this examination, the applicant may present basic military training or college level study in areas such as biology, health or nutrition. To obtain details regarding this test, contact a county office of education: <http://www.state.nj.us/education/counties/>
3. Applicants must pass the PRAXIS I[®] basic skills tests*, including the following:
- a) Praxis Pre-professional Skills Test Reading (#10710)
 - b) Praxis Pre-professional Skills Test Writing (#20720)
 - c) Praxis Pre-professional Skills Test Mathematics (#10730)

For more information regarding the PRAXIS I[®] basic skills tests, visit the “New Jersey: Praxis Test Requirements” page of the Employment Testing Service (ETS) website at the following link: <http://www.ets.org/praxis/nj>. Scroll to the bottom of the page to “Career and Technical Education.” The three required tests are in the column to the right. Test preparation information and materials are also available from ETS. On the webpage, go to the “In This Section” selection in the upper left-hand corner and click on “For Test Takers.” Select the PRAXIS I[®] Pre-Professional Skills Test (PPST) link, which goes to the PRAXIS I[®] Overview page. Click on the light blue “Prepare for the Test” tab. Select one of the three PRAXIS I[®] tests. Each link goes to a page that contains free test prep information as well as test guides that may be purchased.

***NOTICE:** Applicants who have completed a college degree (two-year, four-year or higher) in any subject area, regardless of GPA, are not required to take the PRAXIS I[®] tests.

4. Applicants must complete a 24-hour introduction to teaching course through an authorized provider, which serves as an introduction to the teaching profession for those individuals who are exploring career options. Topics include classroom management, lesson planning, introduction to New Jersey core curriculum content standards, and assessment of pupil progress. To obtain information regarding this requirement, read the section titled, “New Requirement for Certificate of Eligibility,” on the following website: <http://www.nj.gov/education/educators/license/advisories/applicant.htm>

PART F: OTHER CREDENTIALS

Individuals who possess a degree and/or employment or self-employment experience not listed on this worksheet may submit their degree and/or employment or self-employment experience along with an application for a career and technical education certificate to the Department of

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Education, which will review the submission in order to determine eligibility. There is a fee associated with this service. However, the Department of Education does not guarantee that credentials submitted will be accepted by the Department of Education as satisfying the requirements for a career and technical education certificate. For more information, visit the Office of Licensure and Credentials homepage at <http://www.nj.gov/education/educators/license/>

PART G: MILITARY SERVICE/TROOPS TO TEACHERS

Individuals with military service may have obtained qualifying employment experience, education, and/or training during their military service via the New Jersey Troops to Teachers program. The Troops to Teachers program (TTT) assists eligible military personnel with the transition to a new career as public school teachers. The New Jersey TTT office will provide participants with counseling and assistance regarding certification requirements, routes to state teacher certification and employment leads. For information, contact the New Jersey Department of Education Troops to Teachers office at 800-680-0884 or e-mail tttj@doe.state.nj.us.
New Jersey Troops to Teachers Website: <http://www.nj.gov/njded/tttj>

PART H: ARE YOU LOOKING FOR A TEACHING JOB IN NEW JERSEY?

Visit NJHire today, the New Jersey Department of Education's free education recruitment website. NJ HIRE Website: <http://www.njhire.com>