

CAREER AND TECHNICAL EDUCATION CERTIFICATE

Licensure Requirement Details

ENVIRONMENTAL SERVICE SYSTEMS #2505

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 **Environmental Service Systems Career and Technical Education Certificate #2505** issued by the New Jersey Department of Education is eligible to all career and technical education program organized under the Environmental Services Systems found under the Agriculture, Food, & Natural Resources career cluster, including the following secondary career and technical education program offered by public school districts in the State of New Jersey:

- ***Environmental Studies, Program CIP Code #03.0103*** A program that focuses on environment-related issues using scientific, social scientific, or humanistic approaches or a combination. Includes instruction in the basic principles of ecology and environmental science and related subjects such as policy, politics, law, economics, social aspects, planning, pollution control, natural resources, and the interactions of human beings and nature.
- ***Environmental Engineering Technology/Environmental Technology, Program CIP Code #15.0507:*** A program that prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in

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developing and using indoor and outdoor environmental pollution control systems. Includes instruction in environmental safety principles, testing and sampling procedures, laboratory techniques, instrumentation calibration, safety and protection procedures, equipment maintenance, and report preparation.

- ***Water Quality and Wastewater Treatment Management and Recycling Technology/Technician, Program CIP Code #15.0506:*** *A program that prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in developing and using water storage, waterpower, and wastewater treatment systems. Includes instruction in water storage, power and/or treatment systems and equipment; testing and inspection procedures; system maintenance procedures; and report preparation.*

PART B: REQUIRED STATE-ISSUED OCCUPATIONAL LICENSE OR CREDENTIAL

Currently, there are no State-mandated occupational licenses required for this teaching certificate.

PART C: APPLICATION FOR CERTIFICATE USING A DEGREE

Option 1: Bachelor's degree or higher

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 of an eligible degree with an eligible grade point average (GPA)
- Successful completion of an examination in physiology, hygiene and substance abuse issues
- Successful completion of a 24-hour introduction to teaching course

Requirements:

1. Applicants must submit the following:

- a) An official, sealed copy of their transcript(s) for a bachelor's degree or higher in a Department-approved subject area for the certificate. Applicants must have completed at least 30 credits in a coherent sequence of courses in the subject area from a regionally accredited college or university. Examples of eligible subject areas include the following:
 - *Bioenvironmental Engineering*
 - *Earth Science*
 - *Ecology*
 - *Environmental Engineering, Management, Science or Studies*
 - *Sustainability Studies*
- b) The applicant's GPA must be 2.75 or higher. Applicants with a bachelor's degree or higher who graduate on or after September 1, 2004, with a GPA that is below 2.75 in

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a four-year degree program, but at least 2.50 when a GPA of 4.00 equals an A grade, are eligible to apply for the career and technical education certificate by submitting evidence of a minimum of two years (4,000 hours) of full-time employment or part-time employment as per the requirements of 1(a) – (c) in **PART D**, below.

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 examination, contact a county office of education: <http://www.state.nj.us/education/counties/>
3. 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>

Option 2: Associate’s degree

1. A two-year degree is not an eligible option for this certificate. Applicants must apply under the requirement of **PART C, Option 1: Bachelor’s Degree**, above.

PART D: APPLICATION FOR CERTIFICATE USING EMPLOYMENT EXPERIENCE

NOTICE: This employment option is available only to applicants with an approved degree listed under PART C, above, but who do not meet the GPA requirement identified under **PART C**. Individuals with employment experience only are not eligible to apply for this teaching certificate.

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 24-hour introduction to teaching course
- Possession of an eligible degree

***NOTICE:** The New Jersey Department of Education uses the federal Occupational Information Network (O*NET) as its standard for determining eligible employment experience. The following O*NET job titles may be used for the **Environmental Service Career and Technical Education Certificate #2505**: *Environmental Scientist, Environmental Manager, Environmental Protection Specialist, Environmental Engineer, Environmental Analyst, Environmental Compliance Manager, Environmental Remediation Specialist, Environmental Technician, Environmental Specialist, Resource Conservation and Recovery Act Enforcement Officer, Environmental Quality Analyst, and Chief Sustainability Officers.*

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Requirements:

1. Applicants must submit evidence of at least two years (4,000 hours) of eligible 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 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 general occupational tasks, tools and technologies as identified in the one of the O*NET Job Description, as appropriate:
 - 17-2081.00 - Environmental Engineers:
<http://online.onetcenter.org/link/summary/17-2081.00>
 - 19-4091.00 - Environmental Science and Protection Technicians
<http://online.onetcenter.org/link/summary/19-4091.00>
 - 19-2041.00 - Environmental Scientists and Specialists
<http://online.onetcenter.org/link/summary/19-2041.00>
 - 17-3025.00 - Environmental Engineering Technicians
<http://online.onetcenter.org/link/summary/17-3025.00>
 - 19-2041.02 - Environmental Restoration Planners
<http://online.onetcenter.org/link/summary/19-2041.02>
 - 13-1041.01 - Environmental Compliance Inspectors
<http://online.onetcenter.org/link/summary/13-1041.01>
 - 19-2041.03 - Industrial Ecologists
<http://online.onetcenter.org/link/summary/19-2041.03>
 - 19-2041.01 - Climate Change Analysts
<http://online.onetcenter.org/link/summary/19-2041.01>
 - 11-1011.03 - Chief Sustainability Officers
<http://online.onetcenter.org/link/summary/11-1011.03>

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 [*O*NET Occupation Name*]

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

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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 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>
4. Applicants must possess an eligible degree as identified in **PART C, Application for Certificate Using a Degree**, above

PART E: APPLICATION FOR CERTIFICATE USING SELF-EMPLOYMENT EXPERIENCE

NOTICE: This employment option is available only to applicants with an approved degree listed under PART C, above, but who do not meet the GPA requirement identified under **PART C**. Individuals with self-employment experience only are not eligible to apply for this teaching certificate.

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 24-hour introduction to teaching course
- Possession of an eligible degree

***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. Identify the NAICS code that the applicant's self employment experience is categorized on the NAICS Website:

<http://www.census.gov/cgi-bin/sssd/naics/naicsrch?chart=2007>

Requirements:

1. The candidate shall present a notarized letter from a tax preparer and/or an attorney verifying the following:
 - a) The applicant has at least two years (4,000 hours) of eligible self-employment in one or more of the NAICS codes 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.

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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 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>
4. Applicants must possess an eligible degree as identified in **PART C, Application for Certificate Using a Degree**, above.

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 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 tttnj@doe.state.nj.us
New Jersey Troops to Teachers Website: <http://www.nj.gov/njded/ttnj>

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>