

Internship ID#: SM14SSFPEC01

NEW JERSEY DEPARTMENT OF TRANSPORTATION

INTERNSHIP OPPORTUNITY

Internship/Semester: Summer

Internship Type: Non-Credit

Intern Level: Undergraduate

Suggested Background and/or Knowledge:

AutoCAD, Microsoft Office (Word, Excel, PowerPoint) and Civil, Electrical or Mechanical Engineering

NJDOT Division/Unit/Program Area Offering the Internship:

Division of Support Services, Bureau of Facilities Planning, Engineering and Construction

Description of NJDOT Division/Unit/Program Area Offering the Internship:

Responsible for capital improvements and major repairs to NJDOT's physical plants Statewide.

Internship Location:

NJDOT Headquarters
1035 Parkway Avenue
Trenton, NJ 08625

Internship Project Description:

Collects, assembles, analyzes and records data for engineering and planning projects. Prepares charts, diagrams, graphs and layouts; reads maps, blueprints and special plans and drawings; makes simple calculations and computes quantities. Assist in the analysis and/or developments of various engineering projects and related work. May assist in preparation of reports and engineering studies.

Estimated Project Duration and Suggested Weekly Work Schedule:

10 to 12 weeks; minimum of 10 hours per week

Internship Learning Objectives/Marketable Skills:

Involvement in various types of facility related engineering and planning projects.

Intern will be trained and gain experience in the following area(s):

Students assigned to the Bureau of Facilities Planning, Engineering and Construction will gain experience with facility construction projects through all phases of the project. Development of the Scope of Work, Design Consultant Selection, Schematic Design Phase, Final Design Phase, Construction Permit Phase, Construction Contract Bid Phase, Contract Award Phase, Construction Phase, Substantial Completion, Punch List, Construction Close Out, Contractor and Consultant Close Out.

The Student will be attending Project Design and Construction Meetings with Treasury - Division of Property Management and Construction (DPMC) personnel as well as Architects and Engineering Consultants and Contractors. They will also have the opportunity to attend New Jersey Uniform Construction Code inspections of Construction Work with Department of Community Affairs Code Inspectors during rough, intermediary and final code inspections on Construction Projects.

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