

## **Caterpillar**

MAJORS: Aerospace Engineering, Agricultural Engineering, Computer Science, Electrical Engineering, Engineering Mechanics/Engineering Physics, Industrial Engineering, Mechanical Engineering

TITLE: Product Development & Order to Delivery(Internships)

JOB DESCRIPTION:

STUDENTS MUST APPLY AT [WWW.JOINTEAMCATERPILLAR.COM](http://WWW.JOINTEAMCATERPILLAR.COM) TO BE CONSIDERED FOR AN ON-SITE INTERVIEW

Selected candidates are provided the opportunity to learn and use knowledge in various assignments including manufacturing engineering, supply chain management, environment health & safety, product/process design & development, analysis & testing thus gaining a broad-based understanding of engineering and technical

Qualifications:

2.8/4.0 GPA (cumulative GPA - no rounding)

Must be pursuing a BS, MS and/or PhD in: Aerospace Engineering, Agricultural Engineering, Ceramic Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Computer Science, Electrical Engineering, Engineering Management, Engineering Technology, Environmental Engineering, General Engineering, Industrial Engineering, Industrial Distribution Management, Industrial Hygiene, Industrial Systems Engineering, Manufacturing Engineering, Materials Engineering, Materials Science, Mechanical Engineering,

Must have completed 30 semester hours prior to the start of the internship.

Job Description:

AERONAUTICAL ENGINEERS - Engineers interested in structural analysis or computational fluid dynamics.

AGRICULTURAL ENGINEERS - Machinery design and power system engineers interested in control systems, analysis, dynamics, design and development as related to products and processes.

CHEMICAL ENGR, ENVIRONMENTAL ENGR, CIVIL ENGR, BIOLOGY, OCCUPATIONAL SAFETY AND HEALTH, INDUSTRIAL HYGIENE, ENVIRONMENTAL HEALTH, AND HUMAN FACTORS/ERGONOMICS - Corporate Environmental Affairs - interested in performing work related to governmental regulatory programs, remediation, air permitting, landfill and wastewater treatment operation and monitoring, and corporate level environmental programs (due diligence, sustainable development, life cycle analysis). Corporate Industrial Hygiene - interested in hazardous materials transportation, exposure sampling and risk mitigation, calibration, and inventory. Corporate Safety/Ergonomics - interested in safety program management, accident

COMPUTER ENGINEERS, COMPUTER SCIENCE & ELECTRICAL ENGINEERS - Engineers interested in developing real time embedded system software, microprocessor applications, control system hardware and/or software, electro-hydraulic hardware, sensor technology, power generation, power electronics, electromagnetic

ENVIRONMENTAL ENGINEERS, INDUSTRIAL HYGIENISTS - Professionals interested in environmental affairs, occupational health and safety, industrial hygiene, ergonomics, and sustainable development.

INDUSTRIAL ENGINEERS, MANUFACTURING ENGINEERS, MANUFACTURING ENGINEERING TECHNOLOGY, MANUFACTURING SYSTEMS ENGINEERS, OPERATIONS MANAGEMENT - Engineers interested in the specification, installation, maintenance, flow management, cost analysis, and continuous

MATERIALS SCIENCE & METALLURGICAL ENGINEERS- Engineers interested in performing failure analysis, developing new steels and associated suppliers, specifying material and thermal treatments in new component development, developing new heat treat processes, specifying and supervising installation of new heat treat equipment, improving metallurgical control systems, developing new welding procedures and processes, and providing technical support to resolve manufacturing problems related to machining, forming, forging, casting, welding, heat treating and powder metallurgy. Engineers interested in specializing in non-metallic materials

MECHANICAL ENGINEERS - Engineers interested in the product and process design, power generation and electro-mechanical drive design, analysis, test, and simulation of manufacturing and machine/engine systems SUPPLY CHAIN MANAGEMENT, INDUSTRIAL DISTRIBUTION MANAGEMENT - Students interested in inventory management, materials requirements, supply chain planning, logistics

and materials planning, demand and orders management, procurement, and continuous improvement in supply chain management.

WELDING ENGINEERS - Engineers interested in activities related to the design, production, performance, and maintenance of welded products. Interest is primarily in the manufactured product, including material selection, manufacturing methods, tooling, operator training, quality control and performance evaluation.

Who May Apply:

Applicants must be pursuing one of the degrees listed above at an accredited school and have a minimum cumulative grade point average of 2.8/4.0 (no rounding) and be legally authorized to work in the United States

Additional Information:

You will be considered for the openings for which you are qualified. Although the location is listed as Peoria, Illinois, you could be considered for positions throughout the United States.

TITLE: Product Development & Order to Delivery(Full-Time)

STUDENTS MUST APPLY AT <http://WWW.JOINTEAMCATERPILLAR.COM> TO BE CONSIDERED FOR AN ON-SITE INTERVIEW.

Most entry-level engineering hires go through the Leadership and Technical Development Program (LTDP). You will gain a wealth of experience while in the development program, which offers you a broad exposure to Caterpillar, presents diverse project responsibilities, engages you in global teams, provides cross-functional job experiences, and includes valuable network opportunities with all levels of Caterpillar leadership.

You may be considered for employment as part of the LTDP in the Product Development track, Manufacturing Engineering track, Metallurgical Engineering track, Welding Engineering track, Supply Chain Management track, and Environment Health & Safety track. You may also be considered for non-LTDP (direct) hire positions.

Qualifications:

2.8/4.0 GPA (cumulative GPA - no rounding)

Must be pursuing or have completed a BS, MS and/or PhD in: Aerospace Engineering, Agricultural Engineering,

Ceramic Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Computer Science, Electrical Engineering, Engineering Management, Engineering Technology, Environmental Engineering, General Engineering, Industrial Engineering, Industrial Distribution Management, Industrial Hygiene, Industrial Systems Engineering, Manufacturing Engineering, Materials Engineering, Materials Science, Mechanical Engineering,

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ENVIRONMENTAL ENGINEERS, INDUSTRIAL HYGIENISTS - Professionals interested in environmental affairs, occupational health and safety, industrial hygiene, ergonomics, and sustainable development. INDUSTRIAL ENGINEERS, MANUFACTURING ENGINEERS, MANUFACTURING ENGINEERING TECHNOLOGY, MANUFACTURING SYSTEMS ENGINEERS, MECHANICAL ENGINEERS, OPERATIONS MANAGEMENT - Engineers interested in the specification, installation, maintenance, flow management, cost

MATERIALS SCIENCE & METALLURGICAL ENGINEERS- Engineers interested in performing failure analysis, developing new steels and associated suppliers, specifying material and thermal treatments in new component development, developing new heat treat processes, specifying and supervising installation of new heat treat equipment, improving metallurgical control systems, developing new welding procedures and processes, and providing technical support to resolve manufacturing problems related to machining, forming, forging, casting,

welding, heat treating and powder metallurgy. Engineers interested in specializing in non-metallic materials

MECHANICAL ENGINEERS - Engineers interested in the product design, power generation and electro-mechanical drive design, analysis, test, and simulation of machines and component systems, maintenance of welded products. Interest is primarily in the manufactured product, including material selection, manufacturing methods, tooling, operator training, quality control and performance evaluation.

Who May Apply:

Applicants must be pursuing or have completed one of the degrees listed above at an accredited school, graduated with in the last 3 years. Applicants must have a minimum cumulative grade point average of 2.8/4.0

Additional Information:

You will be considered for any openings for which you are qualified. Although the location is listed as Peoria, Illinois, you could be considered for positions throughout the United States.