

If your degree is in:**Consider this Patent Examiner position:**

Electrical engineering/engineering technology (analog/digital communications and networks, semiconductor/circuits, robotics, control systems), computer engineering, materials science, physics, civil engineering, or a degree in a similar field

Patent Examiner*Electrical Engineering*

Chemical engineering, materials science or engineering, chemistry, petroleum engineering, biomedical engineering, food process engineering, ceramic engineering, textile engineering, or a degree in a similar field

Patent Examiner*Chemical Engineering*

Computer engineering, electrical engineering, physics, computer science, network engineering, or a degree in a similar field

Patent Examiner*Computer Engineering*

Mechanical engineering, industrial engineering, aerospace engineering, marine engineering, biomedical engineering, nuclear engineering, robotics, systems engineering, manufacturing engineering, civil engineering, materials science, textile engineering, or a degree in a similar field

Patent Examiner*Mechanical Engineering*

Biomedical engineering, biomechanical engineering, bioengineering, bioinformatics, mechanical engineering, bioelectrical engineering, biochemical engineering, or a degree in a similar field

Patent Examiner*Biomedical Engineering*

Physics (any field), a degree in a similar field, OR appropriate coursework in the following fields: engineering, mathematics, astronomy, space science, geophysics, oceanography, hydrology

Patent Examiner*Physics*

Physical sciences (chemistry, physics, etc.), life sciences (botany, zoology, genetics, etc.), biochemistry, engineering physics, organic/inorganic chemistry, analytical chemistry, materials science, biomedical engineering, biomedicinal chemistry, pharmacology, or a degree in a similar field

Patent Examiner*Chemistry*

Computer science, computer engineering, mathematics, statistics, computer technology, data analytics/science, or a degree in a similar field

Patent Examiner*Computer Science*

Biological sciences (microbiology, cell biology, molecular biology, genetics, immunology, recombinant DNA, proteins/peptides, etc.), bioinformatics, botany, chemistry

Patent Examiner*Biology*

**The above examples are not all-inclusive. A Human Resources Specialist will review your application package to determine basic qualifications.*

***Candidates should apply to as many Patent Examiner disciplines as desired or that they deem appropriate and align with their interests and education.*



UNITED STATES
PATENT AND TRADEMARK OFFICE ®

Coursework Requirements:

Patent Examiner position:

Your degree must include at least one program accredited by <https://www.abet.org/> OR include differential and integral calculus and courses (more advanced than first year physics and chemistry) in five of the following seven areas of engineering science or physics: (a) statics, dynamics; (b) strength of materials (stress-strain relationships); (c) fluid mechanics, hydraulics; (d) thermodynamics; (e) electrical fields and circuits; (f) nature and properties of materials (relating particle and aggregate structure to properties); and (g) any other comparable area of fundamental engineering science or physics, such as optics, heat transfer, soil mechanics, or electronics.

Patent Examiner

Electrical Engineering,
Chemical Engineering,
Computer Engineering,
Mechanical Engineering,
Biomedical Engineering

Your degree should include courses equivalent to a major in physics totaling at least 24 semester hours, plus appropriate experience or additional education. The courses must have included a fundamental course in general physics and, in addition, courses in any two of the following: electricity and magnetism, heat, light, mechanics, modern physics, and sound.

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Physics

Your degree must include 30 semester hours in chemistry, supplemented by course work in mathematics through differential and integral calculus, and at least 6 semester hours of physics.

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Chemistry

Your degree must include 30 semester hours in a combination of mathematics, statistics, and computer science. At least 15 of the 30 semester hours must have included any combination of statistics and mathematics that included differential and integral calculus.

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Computer Science

Your degree must include coursework equivalent to a major.

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Biology