

# Mathematics Careers

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# Mathematics Careers

A \_\_\_\_\_Adjective variety of career opportunities are open to people with mathematical talent and training. Mathematics and computational science are utilized in almost every \_\_\_\_\_Noun of science, engineering, industry, and technology. \_\_\_\_\_Adjective application areas are \_\_\_\_\_Past tense verb constantly and older techniques are applied in new ways and in emerging fields. Industry relies on \_\_\_\_\_Adjective mathematics and \_\_\_\_\_Adjective science for the design and optimization of products such as aircraft, \_\_\_\_\_Noun textiles, \_\_\_\_\_Noun communication \_\_\_\_\_Noun and prescription drugs; processes such as supply chains, logistics, and scheduling; and a wide range of other products and services.

Applied \_\_\_\_\_Noun and computational science have become \_\_\_\_\_Adjective tools in the development of advances in science and technology. \_\_\_\_\_Adjective mathematical and computational techniques have become \_\_\_\_\_Adjective in areas such as the biological sciences, information technology, climatology, combustion and emission control, and finance and investment.

Mathematical careers outside of academia rarely carry a \_\_\_\_\_Adjective title of mathematician. The very idea of a career in mathematics has \_\_\_\_\_Past tense verb and diversified and is often coupled with a specialty or area of research interest. Applied mathematicians and computational scientists \_\_\_\_\_Verb ending in ing in industry, business, and government often hold jobs \_\_\_\_\_Preposition titles such as statistician, scientific programmer, electrical engineer, computer scientist, operations researcher, systems engineer, analyst, research associate, or technical

consultant.

Mathematics is \_\_\_\_\_<sup>Past tense verb</sup> in more fields than you may have thought possible and there are many options to consider when choosing a career. Applied mathematicians and computational scientists work for \_\_\_\_\_<sup>Adjective</sup> and \_\_\_\_\_<sup>Adjective</sup> governments, the military, financial services, scientific research and development services, and consulting services specializing in management, science, and technology. \_\_\_\_\_<sup>Noun</sup> publishers, \_\_\_\_\_<sup>Noun</sup> companies, aerospace, pharmaceutical, and other manufacturing companies also employ applied mathematicians and computational scientists. Many also \_\_\_\_\_<sup>Verb</sup> in academia, teaching the next \_\_\_\_\_<sup>Noun</sup> and developing innovations through their own research.