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Mechanical engineering
Many examples of the

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use of calculus are found in mechanical engineering, such as computing the surface area of complex objects to determine frictional forces, designing a pump according to flow rate and head, and calculating the power provided by a battery system.

~~The Use of Calculus in
Engineering | Sciencing~~

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I will be attending
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calculus is involved in

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mechanical engineering

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mechanical engineering
is applying calculus and
other mathematical
subjects to the laws of
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chemistry, mechanics,
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constant speed. The speed of a car, as measured by the speedometer, is the derivative of the car's displacement as a function of time.

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prepare students for work in industry. Theory is often another main focus, in order to prepare students for graduate-level work. Math Required: College Algebra, Geometry, Trigonometry, Calculus I and II, Linear Algebra, Differential Equations, Statistics

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Mechanical

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might design a new
chassis, for...

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advanced mathematical concepts including differential equations, partial differential equations, linear algebra, abstract algebra, and differential geometry, among others.

~~Mechanical engineering~~
~~Wikipedia~~

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More than three centuries after its creation, calculus remains a dazzling intellectual achievement and the gateway to higher mathematics. This book charts its growth and development by sampling from the work of some of its foremost practitioners, beginning with Isaac Newton and

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