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# Concurrent Engineering Design

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#### Design Process

#### Concurrent Engineering

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The undergraduate curriculum in mechanical engineering incorporates engineering science, physical science and mathematics, as well as the humanities and social sciences. The engineering science component provides basic theoretical and practical concepts in solid mechanics, materials, thermodynamics, fluid mechanics, design and manufacturing.

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Concurrent engineering, on the other hand, allows for all stages of product development to occur essentially at the same time. As seen in the 'Sequential Engineering vs Concurrent Design and Manufacturing' figure, initial planning is the only requirement before the process can occur including planning design, implementation, testing and evaluation.

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