

What skills are needed to make an optical module



Overview

Optical engineering relies heavily on math and physics concepts, such as geometry, trigonometry, calculus, linear algebra, differential equations, optics, electromagnetism, quantum mechanics, and thermodynamics. It is gained theoretically but also through scientific process skills. This study aims to 1) Produce an optical module based on a science process skill approach, 2) Know the quality of an optical. As technology continues to advance, the skill of designing optical systems has become increasingly relevant in the modern workforce. Optical systems play a crucial role in a wide range of industries, including telecommunications, medical imaging, aerospace, and more. Their work often involves a combination of theoretical physics, computer-aided design, and practical experimentation. As an optical engineer, you may work on projects involving lasers, lenses, mirrors, fiber optics, cameras, displays, sensors, or other applications of light.



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efining, experimenting, interpreting data and formulating models. These skills will be developed and trained to students through a lecture module, especially in the optics subject, both theoretically and ...

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