

CAREER PROFILE

Industrial Designer

Industrial designers create and improve products that people use every day, from toys and furniture to sports equipment, electronics, and household appliances. Industrial designers combine creativity, engineering, and problem-solving to design products that are useful, safe, attractive, and easy to use.

► School to Career Pathway

- Demonstrate artistic ability by submitting a portfolio of sketches and drawings.
- Complete coursework in drawing, computer-aided design and drafting, and three-dimensional modeling, as well as courses in business, industrial materials and processes, and manufacturing methods.
- Earn a bachelor's degree in art and design; it is also common to obtain a degree in fine arts, engineering, or architecture.

► Durable Skills

As a drone pilot, you need:

- Artistic ability to sketch your initial design ideas, which are used later to create prototypes.
- Innovation and creativity to re-envision existing products or create new ones.
- Analytical skills to study consumers and recognize the need for new products.
- Interpersonal skills to develop cooperative working relationships with clients and colleagues who specialize in related disciplines.

► Paycheck Peek

\$38.20 hourly, \$79,450 annually*Note that annual wages vary by location (state, city, or work setting)



Core Duties

Design new products

Sketch ideas and create digital models for products that are functional, attractive, and meet customer needs.

Build and test prototypes

Create sample versions of products to test how they work, how they feel, and how they can be improved.

Research user needs

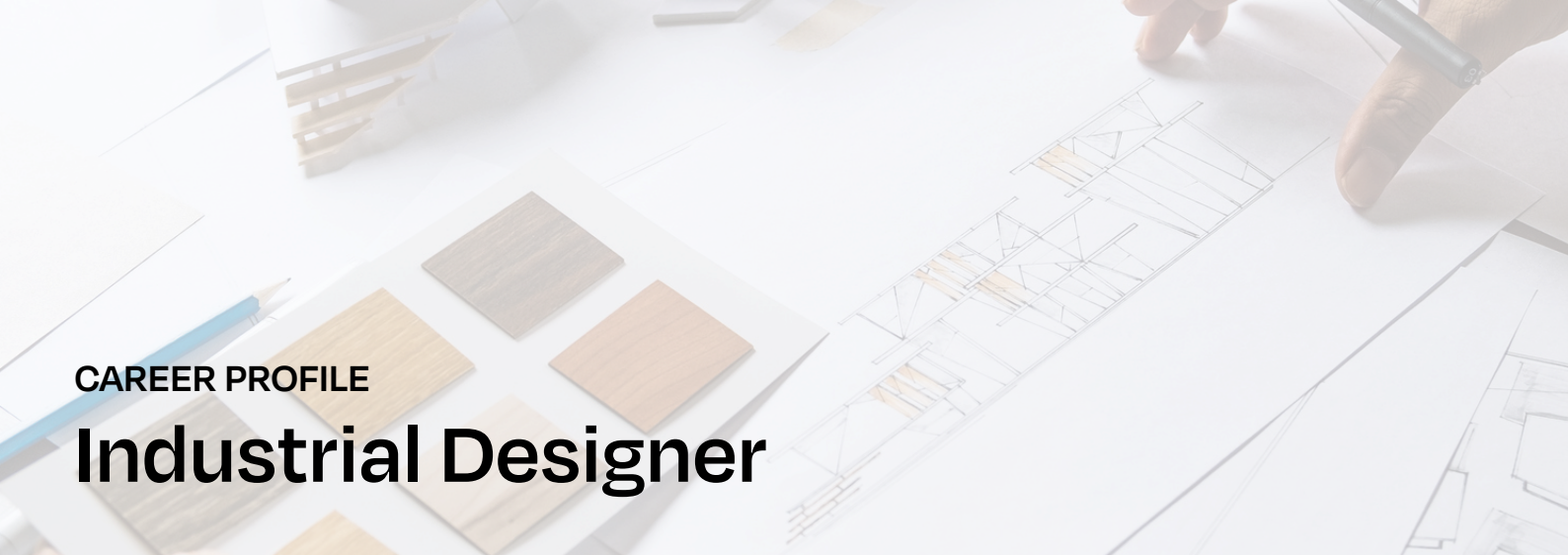
Learn how people use products by gathering feedback and studying what customers want and need.

Select materials and manufacturing methods

Choose materials and production techniques that make products durable, affordable, safe, and environmentally responsible.

Collaborate with design and engineering teams

Work with engineers, manufacturers, marketers, and other designers to bring products from an idea to the marketplace.



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Could This Be Your Thing?

- Are you creative and love drawing your ideas on paper?
- Do you often ask how something is made or how it works?
- When you look at an object, can you picture how to make it better?
- Are your favorite subjects art and science?

Explore Similar Career Pathways

- drafter
- web and digital interface designer

Dig Deeper Here

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Find out more about the careers above:

- [O*NET Online: Drafter](#)
- [O*NET Online: Web and Digital Interface Designers](#)