

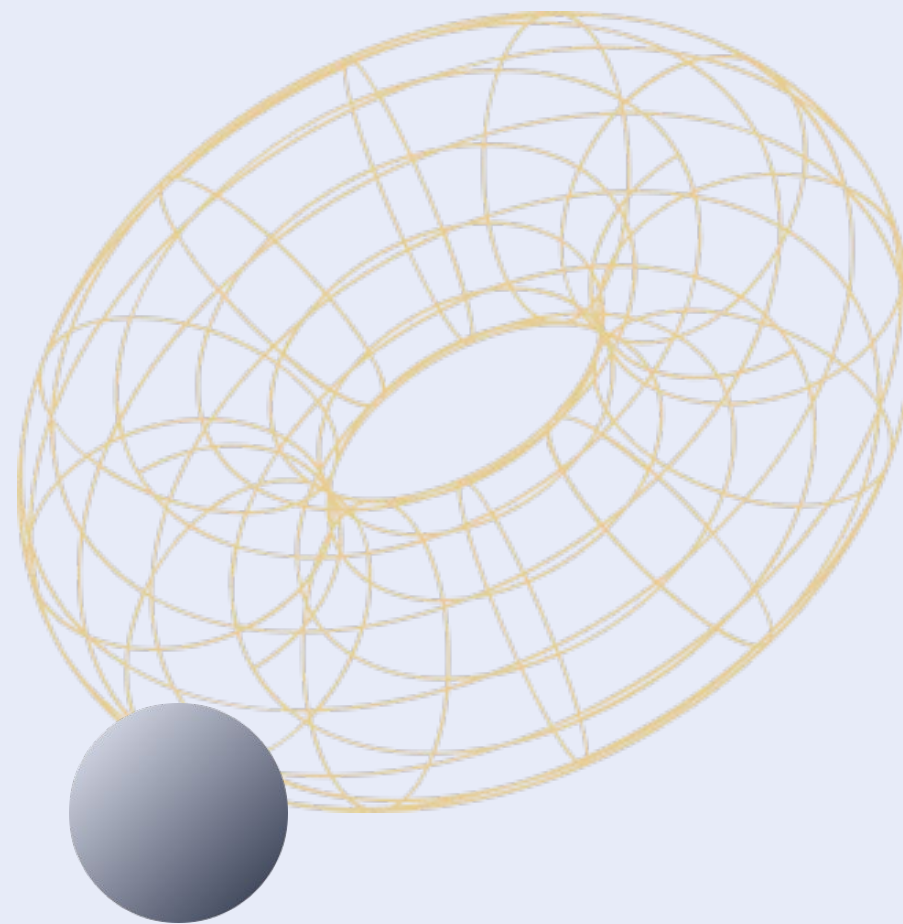


**CAREER PATHWAYS NETWORK**

# Exploring Career Clusters

A Comprehensive Overview of 17 Career Pathways

# Understanding Career Clusters: A Pathway to Success



Career clusters are essential for navigating today's job market. They provide **clear pathways** to explore various occupations, helping individuals identify their interests and strengths, ultimately guiding their career choices in a meaningful way.

# Agriculture, Food & Natural Resources

Explore careers in **sustainable farming** and food production

This cluster focuses on careers related to the **production** and management of food, fiber, and natural resources. Occupations include farmers, agricultural scientists, and food safety inspectors. Employment trends indicate a growing demand for sustainable practices in agriculture.



[Animal Science](#)



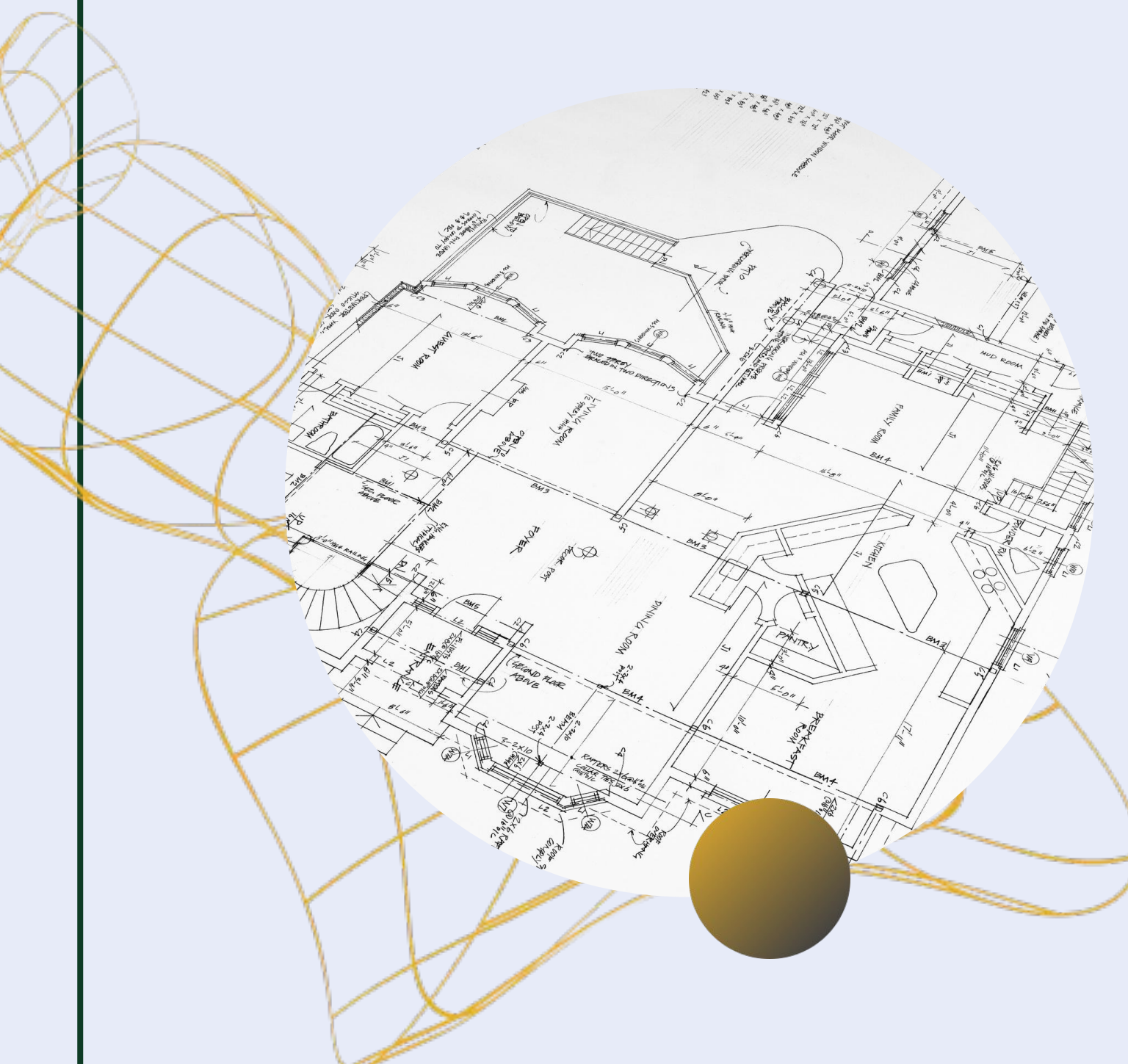
# Architecture & Construction Careers

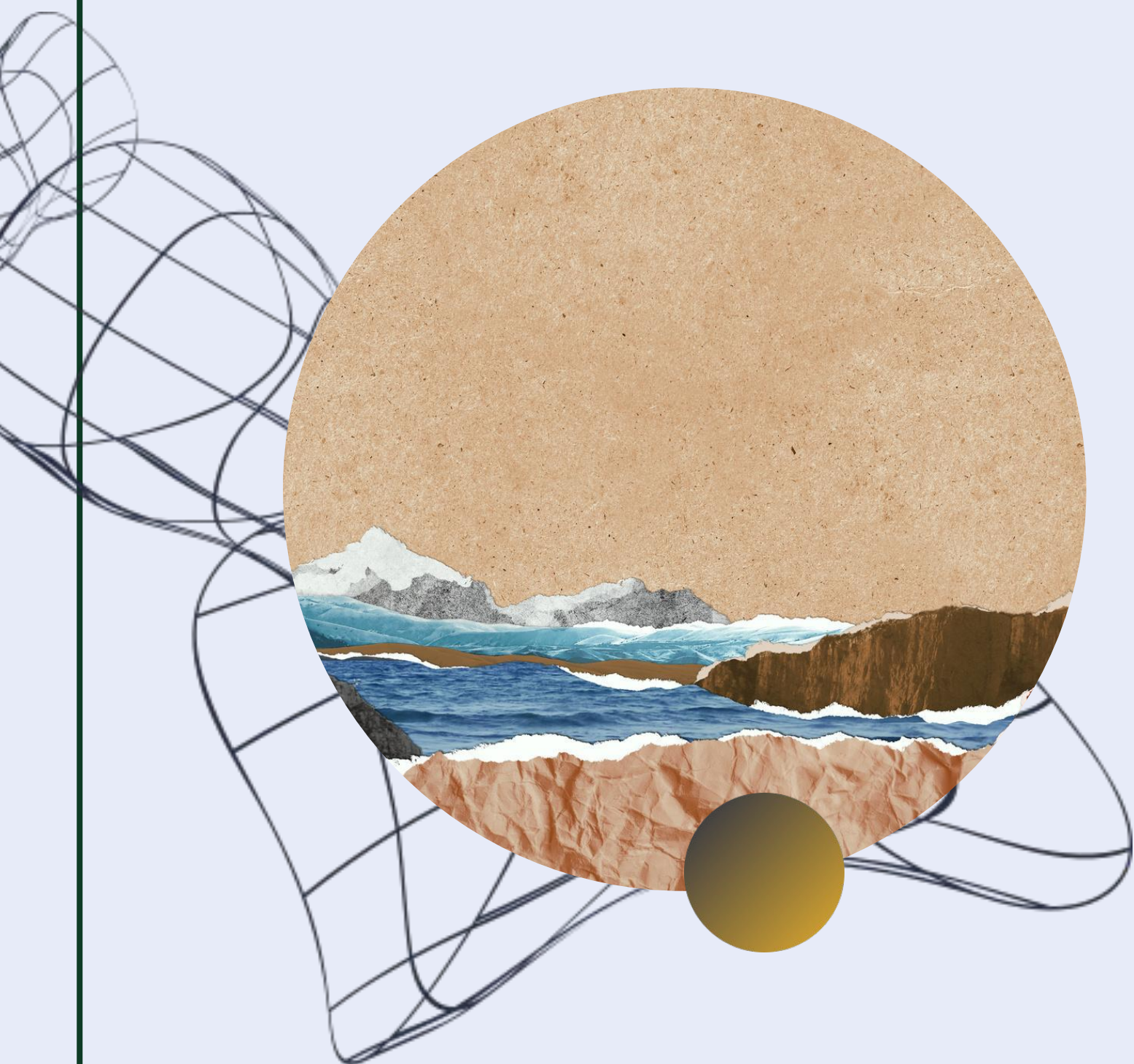
Explore opportunities in building and design fields

The **Architecture & Construction cluster** focuses on designing, building, and maintaining structures. Careers include architects, construction managers, and civil engineers. Current trends emphasize sustainable practices and innovative materials, driven by a growing demand for eco-friendly buildings and infrastructure.

[Building Construction and Remodeling](#)

[Electricity](#)





# Careers in Arts, A/V Technology

Explore the diverse fields of creativity and media

The **Arts, A/V Technology & Communications** cluster encompasses roles that engage creativity and innovation. Careers include graphic designers, video producers, and public relations specialists. Employment trends indicate a growing demand for professionals who can adapt to new technologies and digital media formats.

[Creative Arts and Design](#)



# Business Management & Administration

Understanding roles in business  
management and administration

This cluster includes roles that focus on **planning, organizing, and overseeing** business operations. Examples include managers, human resources professionals, and administrative assistants. With the rise of remote work, trends show an increasing demand for flexible and skilled professionals in this field.





# Education & Training

Explore careers that empower future generations

The **Education & Training** cluster includes roles such as teachers, administrators, and trainers. This field focuses on developing skills and knowledge. Current trends show a growing demand for educators, especially in STEM fields and online learning environments.

[Early Childhood Education](#)





# Finance

# Understanding careers in financial services and management

The **Finance cluster** encompasses jobs focused on managing money, including roles like **bankers, financial analysts, and accountants**. With the rise of digital banking and investment technology, employment in this sector is **expanding rapidly**, offering numerous opportunities for aspiring professionals.



# Government & Public Administration

Exploring careers in public service and governance

The **Government & Public Administration** cluster includes careers focused on **public service**, policy-making, and administrative functions. Occupations range from city planners to public affairs specialists. Current trends highlight an increased demand for **transparency** and **community engagement** in government positions.





# Health Science

Exploring careers in healthcare and wellness

The **Health Science cluster** encompasses a range of occupations focused on **promoting health** and providing medical services. This includes roles like doctors, nurses, and therapists, all vital for improving patient care and community health. Current trends show a growing demand for healthcare professionals.

[Allied Health and Pre-Nursing](#)

[Exercise Science & Physical Therapy Tech](#)

[Biomedical Science](#)





# Hospitality & Tourism

## Exploring careers in service and travel industries

The **hospitality and tourism** cluster encompasses a range of careers focused on providing services to travelers and guests. This includes roles such as hotel management, travel agents, and event planners. Employment in this cluster is **growing rapidly** as global travel continues to expand.

[Culinary Arts](#)

[Cosmetology](#)



# Human Services

## Exploring careers in Human Services

The **human services** cluster is centered on helping others meet their personal and social needs. From counseling to personal care, professionals in this field make a direct impact on people's lives. This includes a caregiver, esthetician, home health aide, massage therapist, and mental health counselor.





# Information Technology

Exploring careers in IT and their impact

Information Technology encompasses a variety of **dynamic careers** including cybersecurity, software development, and data analysis. These roles are vital as technology continues to evolve, with employment in this sector projected to grow rapidly over the next decade.

[Networking and Cybersecurity](#)

[Software Development](#)



# Law and Public Safety

Essential careers ensuring community safety and justice

The **Law, Public Safety, Corrections & Security** cluster focuses on protecting people and property. Occupations include police officers, lawyers, and security personnel. Current trends show a growing need for professionals in this field, emphasizing community engagement and advanced training.

[Public Safety](#)





# Manufacturing Careers

Exploring opportunities in the manufacturing industry

The **manufacturing sector** encompasses various occupations, from assembly line workers to quality control inspectors. With **technology advancements**, there is a growing demand for skilled workers to produce goods efficiently while maintaining safety and quality standards.

[Advanced Manufacturing](#)

[Welding](#)



# Marketing, Sales & Service

Understanding the dynamics of market engagement

This cluster encompasses careers focused on **promoting products** and services. Examples include marketing managers, sales representatives, and customer service agents. With the rise of digital marketing, trends show an increasing demand for skilled professionals in online advertising and sales techniques.



# Science, Technology, Engineering, and Mathematics

Explore diverse opportunities in STEM fields today

The **Science, Technology, Engineering, and Mathematics (STEM)** cluster encompasses various careers that emphasize analytical skills and innovation. Current employment trends show a growing demand for professionals in these fields, including roles such as data scientists, engineers, and researchers.

[Engineering & Robotics](#)



# Transportation, Distribution & Logistics

Understanding the vital roles in this sector

This cluster encompasses **careers** involved in the movement of goods. Examples include truck drivers, logistics coordinators, and supply chain analysts. With the rise of e-commerce, **employment** in this sector continues to grow, highlighting its importance in a global economy.



[Automotive Technologies](#)

[Custom Auto Paint, Design & Repair](#)

[Diesel Power Tech](#)

[Aviation Maintenance](#)





# Energy Careers

## Exploring opportunities in the energy industry

The **Energy cluster** encompasses jobs focused on electricity, gas, renewable resources, and energy management. Careers range from engineers to renewable energy technicians. Current trends emphasize sustainability and innovation in response to climate change challenges.