



# Slam Dunk Challenge

**STEM Skills & Careers**

*Teamwork*

*Knowledge of Statistics*

*Critical Thinking Skills*

*Communication*

*Love of Sports*

*Attention to Detail*

*Problem Solving Skills*

**Data Analyst**

**Information Technology**

**Statistician**

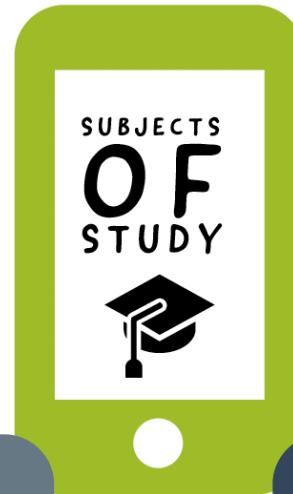
**Athletic Trainer**



# DATA ANALYST

Data analysis is a process of inspecting, cleansing, transforming and modeling data with the goal of discovering useful information, informing conclusions and supporting decision-making.

High Level of  
Mathematical Ability  
Programming Languages  
Ability to Analyze,  
Model, Interpret  
Data  
Problem-Solving  
Skills  
Attention to Detail



Programs and  
subjects to study  
for data analysts  
include: statistics  
basics, data science,  
data visualization,  
programming courses,  
mathematics, and  
**MORE!**

High School Diploma  
AND  
Bachelor's Degree  
OR  
Master's Degree



Average  
\$30-40/hour



Average  
\$70,000/year



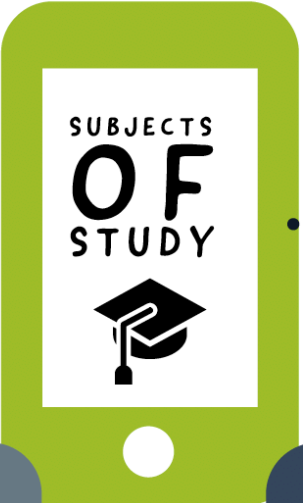
2018-2028  
11%



# INFORMATION TECHNOLOGY

Information Technologists work in many different companies supporting their computer systems. They monitor the storage, processing, and information flow within an organization. Anything involved with computers, software, networks, intranets, web sites, servers, databases and telecommunications falls under the IT umbrella!

Attention to Detail  
 Analytical Abilities  
 Project Management  
 Knowledge of Computers  
 Time Management Skills  
 Problem Solving Skills  
 Resourcefulness



Programs and subjects to study for IT specialists include: mathematics, sciences, foreign language, english, humanities, programming, and MORE!

High School Diploma AND Community College/Certificate OR Bachelor's Degree



Average \$25-40/hour



Average \$76,000/year



2018-2028 11%



# STATISTICIAN

A statistician is a person who works with theoretical or applied statistics. The profession exists in both the private and public sectors. It is common to combine statistical knowledge with expertise in other subjects, and are often employed as consultants.

Critical Thinking Skills  
Data Analysis  
Mathematical Skills  
Problem Solving Skills  
Ability to Prioritize  
Flexibility

ESSENTIAL  
SKILLS



SUBJECTS  
OF  
STUDY



Programs and subjects to study for statisticians: calculus, linear algebra, theoretical statistics, experimental design, statistical methods, and MORE!

High School Diploma  
AND  
Bachelor's Degree  
OR  
Master's Degree

CAREER  
PATHWAY



Average  
\$35-50/hour

WHAT'S  
HOT



Average  
\$87,000/year

JOB  
GROWTH



2018-2028  
34%

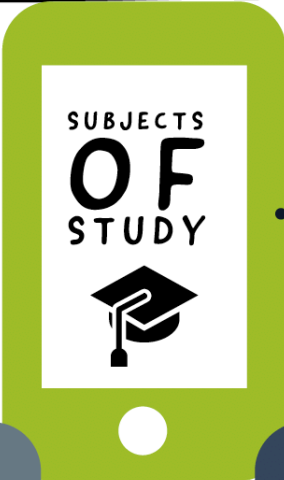




# ATHLETIC TRAINER

An athletic trainer is a certified and licensed health care professional who practices in the field of sports medicine. Athletic training has been recognized by the American Medical Association as an allied health care profession since 1990.

Critical Thinking Skills  
Interpersonal Skills  
Empathy  
Attention to Detail  
Knowledge of Anatomy  
Love of Sports



Programs and subjects to study for athletic trainers include: anatomy, physiology, nutrition, biology, physics, kinesiology, research methods, and MORE!

High School Diploma  
AND  
Bachelor's Degree  
OR  
Master's Degree



Average  
\$20-40/hour



Average  
\$46,000/year



2018-2028  
21%

