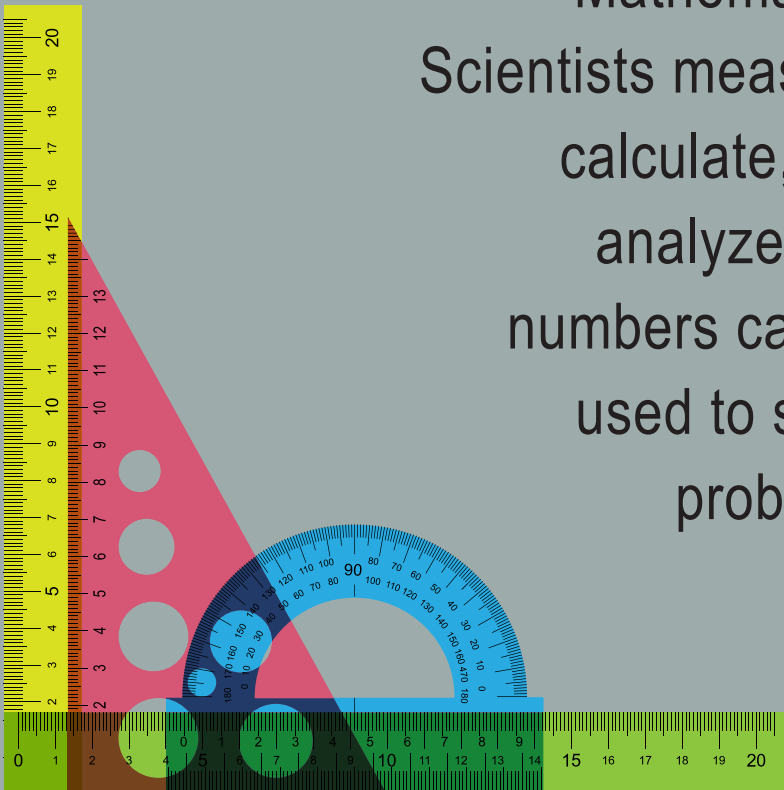


# Consider a Career in Mathematics

Mathematical  
Scientists measure,  
calculate, and  
analyze how  
numbers can be  
used to solve  
problems



Statisticians – Mathematical Technicians – Mathematicians – Actuaries  
– Operations Research Analysts

Mathematical Scientists

# *change the way we live*

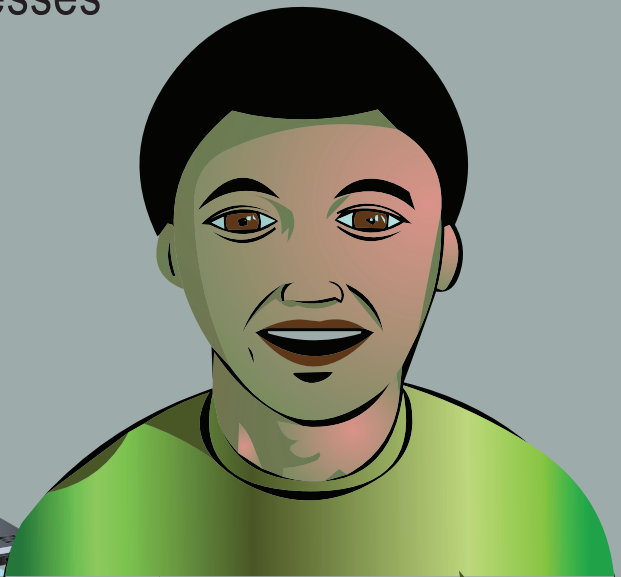
*They...*

**Design surveys** to collect valuable information

**Develop equations** to predict weather patterns

**Identify environmental risks** to improve health care

**Determine pricing strategies** to help businesses succeed



*What do  
Mathematical Scientists  
have to say about  
their work?*

“The most important skill is communication. You have to be engaging and be able to explain technical concepts to people in a manner they can understand.”

-Anant Galande, Actuary\*





# MATHEMATICS



Do you enjoy...

Solving problems

Working with numbers



Conducting research

Analyzing information

Study how numbers are used to identify patterns, space, and change

With a career in **Mathematics** you could...



Improve aviation technology



Encrypt and decipher secret codes



Enhance machine designs



Develop clinical research studies

*Math* is essential for **every career field**,

including:

Environmental Science



Business



Construction



Mathematics is in demand. Employment is expected to grow, with hundreds of new jobs being added over the next few years.

**MYTH** *I'll Never USE MATH IN THE REAL WORLD.*

**REALITY** *ANY JOB you can think of Uses Math,* it is one of the most **VALUABLE SKILLS** you can have.



Useful classes to **prepare for college...**

Student Transcript	
Math: Algebra, Calculus, Geometry	SHS
Statistics	
Business Management	
Economics	
Finance	
Computer Applications	
Computer Science	

*After high school,* here's the education you'll need to succeed:

The minimum education needed to work in mathematics is a bachelor's degree.

More job opportunities will be available to those who get a master's or doctoral degree.

**Starting Salaries**

begin around

**\$45,000-\$70,000** per year,



**up to \$90,000**

or **MORE** with several years experience.

# Learn more about Mathematics

- Join a math club
- Enter a math contest or competition
- Interview someone about their job in mathematics
- Research careers and find college and training program information on [QualityInfo.org](http://QualityInfo.org) in the “Jobs & Careers” and “Training & Education” sections

## Looking for more information on STEM occupations?

Contact [Lmipubs@oregon.gov](mailto:Lmipubs@oregon.gov) to order copies of the STEM brochure series, offered for the following occupations:

- Biological Science
- Computer Information Systems
- Computer Science
- Drafting and Surveying
- Engineering
- Health Care
- Mathematics
- Physical Science
- Social Science

You can also view these brochures on the Publications page in the Posters & Brochures section at [www.qualityinfo.org/pubs](http://www.qualityinfo.org/pubs).



### Need help?

The Oregon Employment Department (OED) is an equal opportunity agency. OED provides free help so you can use our services. Some examples are sign language and spoken-language interpreters, written materials in other languages, large print, audio, and other formats. To get help, please call 503-947-1444. TTY users call 711. You can also send an email to [communications@employ.oregon.gov](mailto:communications@employ.oregon.gov).

### ¿Necesita ayuda?

El Departamento de Empleo de Oregon (OED) es una agencia de igualdad de oportunidades. El OED proporciona ayuda gratuita para que usted pueda utilizar nuestros servicios. Algunos ejemplos son intérpretes de lengua de señas e idiomas hablados, materiales escritos en otros idiomas, letra grande, audio y otros formatos. Para obtener ayuda, por favor llame al 503-947-1444. Usuarios de TTY pueden llamar al 711. También puede enviar un correo electrónico a [communications@employ.oregon.gov](mailto:communications@employ.oregon.gov).