Consider a Career in Mathematics

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

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

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 in the "Jobs & Careers" and "Training & Education" sections

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*

Looking for more information on STEM occupations?
Contact Lmipubs@oregon.gov to order copies of the STEM brochure series, offered for the following occupations:
- Biological Science           - Health Care
- Computer Information Systems   - Mathematics
- Computer Science   - Physical Science
- Drafting and Surveying  - Social Science
- Engineering
You can also view these brochures on the Publications page in the Posters & Brochures section at www.qualityinfo.org/pubs.

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.
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*

*©2012 University of Oregon, All Rights Reserved. Created by intoCAREERS, a unit of the University of Oregon
**Mathematics**

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

Math is essential for every career field, including:
- Environmental Science
- Business
- Construction

With a career in Mathematics you could...
- Improve aviation technology
- Encrypt and decipher secret codes
- Enhance machine designs
- Develop clinical research studies

Useful classes to prepare for college...

<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math: Algebra, Calculus, Geometry</td>
<td>B</td>
</tr>
<tr>
<td>Statistics</td>
<td>B</td>
</tr>
<tr>
<td>Business Management</td>
<td>A</td>
</tr>
<tr>
<td>Economics</td>
<td>A</td>
</tr>
<tr>
<td>Finance</td>
<td>A</td>
</tr>
<tr>
<td>Computer Applications</td>
<td>B</td>
</tr>
<tr>
<td>Computer Science</td>
<td>A</td>
</tr>
</tbody>
</table>

Starting Salaries begin around **$45,000-$70,000** per year, up to **$90,000** or MORE with several years experience.

Do you enjoy...
- Solving problems
- Working with numbers
- Conducting research
- Analyzing information

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.

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.

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

Certified By: Derek McDoole Title: Principal

Struble High School • 34574 Johnson Rd. Meleny Oregon, 87324 • 506.876.7654
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 in the “Jobs & Careers” and “Training & Education” sections

Looking for more information on STEM occupations?
Contact 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.

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.

¿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.