Why study Math/Computer Science?

“It’s the economy, stupid” – James Carville
4. Computer Science

Starting salary: $63,100
Mid-career salary: $105,000
Annual online job postings: 3.1 million

Related job: Computer and Information Research Scientist

Projected 10-year job growth: 15.5%
4. Software Design
Average starting salary: $60,100
6. Computer Programming
Average starting salary: $59,000
7. Computer Science
Average starting salary: $57,000
Best jobs in 2016

The Best Jobs In 2016

Karsten Strauss, FORBES STAFF
A journalist covering leadership, business, entrepreneurs and careers. FULL BIO

TWEET THIS

this year science and math are king on the job market.

It would seem that this year science and math are king on the job market.
The Best Jobs In 2016

According to analysis by job search site, CareerCast -- taking into account salary, stress and future outlook -- these are the best jobs to have in 2016.
1. Data Scientist

Annual Median Salary: $128,240

Growth Outlook: 16%
2. Statistician
Annual Median Salary: $79,990
Growth Outlook: 34%
3. Information Security Analyst
Annual Median Salary: $88,890
Growth Outlook: 18%
4. Audiologist
Annual Median Salary: $73,060
Growth Outlook: 29%
6. Mathematician
Annual Median Salary: $103,720
Growth Outlook: 21%
7. Software Engineer
Annual Median Salary: $97,990
Growth Outlook: 17%
8. Computer Systems Analyst
Annual Median Salary: $82,710
Growth Outlook: 21%
10. Actuary
Annual Median Salary: $96,700
Growth Outlook: 18%
# Master of Science in Computer Science: Course Requirements

**New Concentrations in Data Science and Biomedical Informatics (new requirements)**

**Existing Main CS Track and Computational Science Concentrations (revised requirements)**

*All courses are 3 credit hours unless otherwise indicated.*

1. **Students are required to take the following 4 core courses:**

<table>
<thead>
<tr>
<th>NEW</th>
<th>NEW</th>
<th>REVISED</th>
<th>REVISED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MS CS Data Science Concentration</strong></td>
<td><strong>MS CS Biomedical Informatics Conc</strong></td>
<td><strong>MS CS Computer Science Main Track</strong></td>
<td><strong>MS CS Computational Science Conc.</strong></td>
</tr>
<tr>
<td>* CS 526 Algorithms</td>
<td>* CS 526 Algorithms</td>
<td>* CS 526 Algorithms</td>
<td>* CS 551 Systems Programming</td>
</tr>
<tr>
<td>* CS 534 Machine Learning</td>
<td>* CS 534 Machine Learning</td>
<td>* CS 551 Systems Programming</td>
<td>* CS 581 High Perf Computing</td>
</tr>
<tr>
<td>* CS 551 Systems Programming</td>
<td>* BMI 500 Intro Biomedical Informatics</td>
<td>* CS 554 Database Systems</td>
<td>* BIOS 506 Statistical Methods (4)</td>
</tr>
<tr>
<td>* CS 554 Database Systems</td>
<td>* BIOS 506 Statistical Methods (4)</td>
<td>* CS 580 Operating Systems</td>
<td>* MATH 515 Num Ana I</td>
</tr>
</tbody>
</table>

2. **In addition, students are required to take at least 3 concentration electives (9+ credit hrs) from:**

<table>
<thead>
<tr>
<th>MS CS Data Science Concentration</th>
<th>MS CS Biomedical Informatics Conc</th>
<th>MS CS Computer Science Main Track</th>
<th>MS CS Computational Science Conc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>* CS 557 Artificial Intelligence</td>
<td>* BIOS 510 Probability Theory I (4)</td>
<td>* CS 524 Theory of Computing</td>
<td>* CS 526 Algorithms</td>
</tr>
<tr>
<td>* CS 563 Adv Comp Sys</td>
<td>* BIOS 511 Statistical</td>
<td>* CS 524 Machine Learning</td>
<td>* CS 534 Machine Learning</td>
</tr>
</tbody>
</table>