

**COMPARISON BETWEEN**

# ACCELERATED MS IN APPLIED COMPUTER SCIENCE and ACCELERATED MS IN SOFTWARE ENGINEERING

The Accelerated Master’s in Applied Computer Science (AMACS) and Accelerated Master’s in Software Engineering (AMSE) programs are both offered through the College of Engineering & Computer Science and are taught by the same professors as a traditional master’s program. While there are similarities between AMACS and AMSE, there are also some important differences that can help you decide which program to join.

	<b>Accelerated MS in Applied Computer Science (AMACS)</b>	<b>Accelerated MS in Software Engineering (AMSE)</b>
<b>Department Philosophy</b>	<ul style="list-style-type: none"> <li>• Our goal is to provide students with a strong foundation in applied computing with a focus on software development, state-of-the-art knowledge on modern technologies and practical application development skills needed in the selected areas that are high in workforce demand</li> <li>• Emphasis on preparing students for careers as software engineers, developers or managers so that upon graduation, they can directly participate in industry projects or research projects without additional industry training</li> </ul>	<ul style="list-style-type: none"> <li>• Our goal is to prepare students for successful careers as software engineers and managers</li> <li>• Focuses on comprehension of software standards, implementation and management of software process, assessment/appraisal of software process, management of legal and ethical issues, collaboration and teamwork, critical thinking and problem solving, research and communication</li> </ul>
<b>Admissions Criteria</b>	<ul style="list-style-type: none"> <li>• Bachelor’s degree in computer science, or a related major along with equivalent professional experience</li> <li>• Additional introductory courses in computer programming, if undergraduate degree is other than computer science</li> <li>• Minimum GPA of 2.5 from domestic (U.S.) institutions or ABET-accredited international institutions or with undergraduate degrees in computer science or closely related fields</li> <li>• Minimum GPA of 3.0 from non-ABET accredited international institutions (with undergraduate degrees in computer science or closely related fields)</li> <li>• TOEFL (international students only): a minimum score of 550 (paper) or 80 (iBT) or 6.5 Academic IELTS or 58 PTE</li> </ul>	<ul style="list-style-type: none"> <li>• Bachelor’s degree in computer science, or a related major along with equivalent professional experience</li> <li>• Prerequisites course: CPSC 362 Foundations of Software Engineering (or equal professional experience) and communication</li> <li>• Minimum GPA of 2.5 for your last 60 semester units experience) and communication</li> <li>• TOEFL (international applicants only): a minimum score of 80 (iBT) or 6.5 Academic IELTS or 58 PTE</li> </ul>

**Questions?**

Email us at  
[amacs@fullerton.edu](mailto:amacs@fullerton.edu)  
[amse@fullerton.edu](mailto:amse@fullerton.edu)

**Ready to take the next step?**

Visit our website:  
[extension.fullerton.edu/masters/amacs](http://extension.fullerton.edu/masters/amacs)  
[extension.fullerton.edu/masters/amse](http://extension.fullerton.edu/masters/amse)

## Comparison between AMACS and AMSE Programs

	Accelerated MS in Applied Computer Science (AMACS)	Accelerated Ms in Software Engineering (AMSE)
<b>Length of Program</b>	<ul style="list-style-type: none"> <li>• 30 units (16 months)</li> <li>• 3 semesters</li> </ul>	<ul style="list-style-type: none"> <li>• 30 units (17 months)</li> <li>• 4 semesters</li> </ul>
<b>Class Schedules</b>	<ul style="list-style-type: none"> <li>• Full-time</li> <li>• Classes are held on-campus at California State University, Fullerton</li> <li>• Students progress in cohort</li> </ul>	<ul style="list-style-type: none"> <li>• Full-time</li> <li>• Classes are held on-campus at California State University, Fullerton</li> <li>• Students progress in cohort</li> </ul>
<b>Accreditation</b>	<ul style="list-style-type: none"> <li>• Accreditation Board for Engineering and Technology (ABET)'s Computing Accreditation Commission (CAC)</li> </ul>	<ul style="list-style-type: none"> <li>• Named one of the nation's best online colleges by U.S. News &amp; World Report</li> </ul>
<b>Typical Jobs/Work Settings</b>	<ul style="list-style-type: none"> <li>• Data Scientist</li> <li>• Machine Learning Engineer</li> <li>• Mobile Application Developer</li> <li>• Web Application Developer</li> <li>• Security Engineer</li> </ul>	<ul style="list-style-type: none"> <li>• Software engineer</li> <li>• Software manager</li> <li>• Software analysts</li> <li>• Software architects</li> <li>• Software designers</li> <li>• Software developers</li> <li>• Software project managers</li> <li>• Software verification and validation pros</li> </ul>
<b>To Apply</b>	<ul style="list-style-type: none"> <li>• Visit our website at <a href="https://extension.fullerton.edu/masters/amacs/apply.aspx">extension.fullerton.edu/masters/amacs/apply.aspx</a></li> </ul>	<ul style="list-style-type: none"> <li>• Visit our website at <a href="https://extension.fullerton.edu/masters/amse/apply.aspx">extension.fullerton.edu/masters/amse/apply.aspx</a></li> </ul>