

Summer 2021



A Message from Provost Joyce Johnson

MSJC Launches Exciting Career Ready Programs

Welcome to the Summer 2021 edition of our Career Education Newsletter.

I'm Joyce Johnson, Provost of Instruction at MSJC, and I oversee all Career Education programs that are intended to help students prepare for both high-wage and high-skill jobs in our region.

MSJC is thrilled to introduce four new and refreshed programs that will launch this fall to prepare students for in-demand jobs and careers in the Inland Empire.

- **Aviation Science:** We now offer an Associate Degree in Aviation Science, as well as certificates for certified flight instructor and commercial pilot, that will help prepare our students to take flight and land careers as commercial pilots.
- **Culinary Arts:** A student seeking a successful culinary career will learn the basic techniques, as well as all classic and contemporary techniques, while taking our new Culinary Arts courses.
- **Engineering Technology:** Students can earn an Associate Degree, Certificates, or Employment Concentration Certificate (ECC) in various aspects of engineering, which always has a high demand for workers.
- **Geographic Information Science:** We offer an Associate Degree, Certificates, or Employment Concentration Certificate (ECC) designed to help our students find careers in many disciplines that rely on this technology-driven specialization.

I encourage you to read more about these exciting programs on the two inside pages of this newsletter. Please spread the word to anyone who may be interested in enrolling in these important Career Education programs.

Visit www.msjc.edu/CareerEducation to learn more about all of our programs.

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Aviation Science

MSJC's new Aviation Science program this fall will offer students an Associate Degree in Aviation Science; Certificate for Certified Flight Instructor; and Certificate for Commercial Pilot.

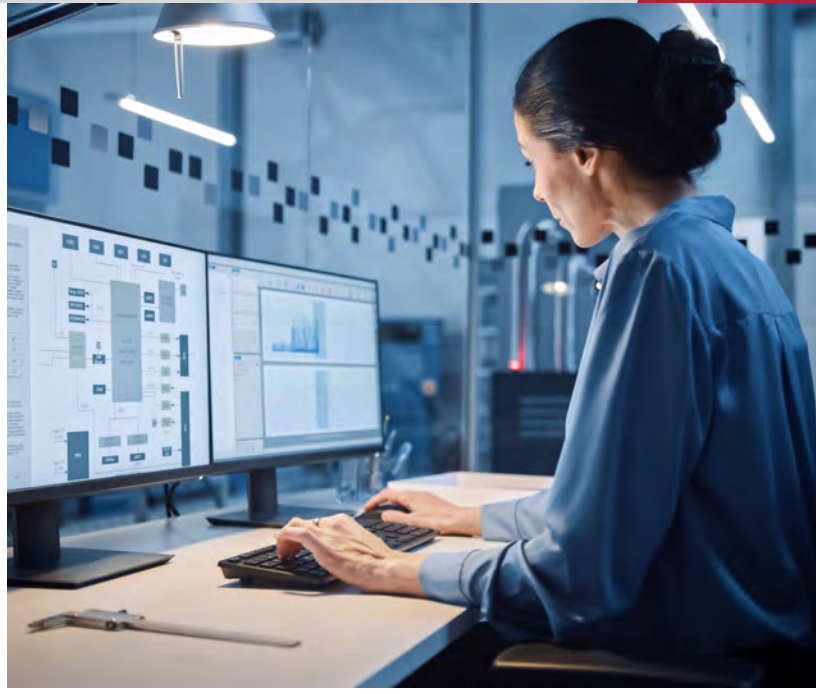
A student seeking an in-demand career as a professional pilot would progress through the aviation pilot training curriculum to earn a commercial pilot certificate. Once the certificate has been obtained, the student can fly for hire with commuter or charter companies to build experience needed for airline opportunities.

“The creation of the program stemmed from the projected dire need for pilots over the next 20 years,” said Dr. Stanley Harriman, the program's coordinator and instructor. “It seems like a logical idea to introduce this program to the surrounding community to meet industry demands.”

It takes between 18 and 24 months to complete an Associate Degree in Aviation Science, he said.

In addition to the two current certificates available, Harriman said there are plans to add more in the future, possibly including UAS (drones); aircraft dispatcher; rotorcraft training (helicopters); aviation operations management.

No previous education or experience in aviation is needed for students to pursue this program.



Engineering Technology

The college's Engineering Technology program has been refocused and will now offer students an Associate Degree or Certificate in Drafting Technology; Certificate in Engineering Technology Support; and Employment Concentration Certificate in Land Surveying.

Students earning a degree or certificate in the Engineering Technology program can find in-demand job opportunities as an engineering technician and drafting technician (mechanical, civil engineering/architecture, electronics/electrical), said James Bae, who is helping lead the program. No previous engineering education or experience is necessary, he said.

There's always a high demand for engineers, so this education will benefit the students and the regional employers.

“Everything ever made or built was designed using engineering skills and knowledge,” Bae said in stressing the importance of engineering. “Every technical operation has engineers and engineering technicians making sure that everything operates smoothly – and to fix it when it does not.

“Our intentions are to grow the program and serve the needs of the region. We want to provide the students the means to improve their knowledge and skills to allow them to advance their careers, find new jobs or continue their education.”

The college's Eagle MakerSpace will also benefit students in the program.

“The MakerSpace – in conjunction with design and engineering classes – will give students the ability to learn the practices and skills needed to become great problem-solvers, designers, builders and technical operators,” he said.



Culinary Arts

The new Culinary Arts program will offer students a Culinary Arts and Hospitality Certificate.

A student seeking a successful culinary career will learn the basic techniques, as well as all classic and contemporary techniques, said Rick Linsalato, the program's coordinator and chef instructor. No previous experience is needed. The certificate program will consist of lecture and lab courses.

Students can earn a certificate in about two years, he said. The culinary field offers many opportunities for employment, including chef, pastry chef, baker, kitchen manager, sales, consultant, research and development, writer and critic.

"Upon completion of this program, graduates will have a well-rounded education enabling them to work in any establishment, from classic fine dining to casual to modern cuisine restaurants," Linsalato said.

Linsalato is a classically trained chef with almost 30 years of culinary experience. He has also taught culinary for 20 years, including at Le Cordon Bleu in Pasadena; The Art Institutes of California, Orange County; The Orange County School of the Arts, Santa Ana; and La Cuisine Culinary arts in Orange County.



Geographic Information Science

The reconfigured Geographic Information Science (GIS) program will offer students an Associate Degree and Certificate in GIS, with additional certificates possible in the future.

The GIS field offers many employment opportunities, including in different disciplines such as traditional safety services like police, fire and utilities; governmental services; business and industry; eCommerce; acquisition and distribution of goods and services; drone piloting; and information management.

Also often referred to as Geospatial Information Science, GIS provides students a framework for gathering, managing, and analyzing data, said Dr. Roy Mason, Professor of Biology, Environmental and GIS Sciences at MSJC.

"In the 'old days,' this was done using compasses, maps, drawings, photographs and other analog images of environments," Mason said. "More recently, these more traditional techniques of cartography has been replaced by satellite, GPS, and other digital technologies (more recently drone imaging) and integrated into powerful computer imaging programs described as 'Location Intelligence.'"

Although rooted in the science of geography, GIS is used in many different disciplines and integrates many types of data, Mason explained. GIS analyzes spatial location and organizes layers of information into visualizations using different kinds of map images and incorporating 2D and 3D scenes.

Students in the program do not need previous education or experience in GIS.

MSJC Expands Apprenticeship Program for Students, Industry

MSJC's apprenticeship program will expand this fall, providing students opportunities to pursue an MSJC education and apprenticeships in engineering drafting, IT, and water technology.

The engineering drafting apprenticeship will offer CAD and Solidworks instruction. IT will focus on cybersecurity. Water technology will provide water and wastewater treatment plant operator training.

The three additions follow the existing automotive mechanic training and wine production training apprenticeships the college offers. Student-apprentices benefit from MSJC's apprenticeship program by attending college tuition-free and getting a paid job in the industry in which they are training.

Here's how it works: The student-apprentice enrolls in the program for a particular occupational area and usually will take one or more courses to obtain basic working knowledge; then the apprentice is hired by an employing company, is registered with the California Department of Apprenticeship Standards (DAS), receives instruction overseen by a supervisor within the company, continues to attend prescribed classes at MSJC, receives wages commensurate with progress in on-the-job learning, receives an industry-recognized credential after completing the program, and begins a career with a solid foundation.

The program is sponsored by the LAUNCH Apprenticeship Network, an experienced organization that supports collaboration between industry participants and community colleges throughout the Inland Empire and desert region. MSJC plans to expand the program for more potential career pathways in the future.

Meet Jenny Hughes



MSJC now has a Director of K-12 Partnerships to cultivate and strengthen the college's relationships with its educational partners within the Mt. San Jacinto Community College District.

Jenny Hughes has been a part of the MSJC Career Education team for more than five years. In her role, Hughes has coordinated multiple program activities and grants, both locally and regionally, that support both MSJC and the community.

She serves on the boards of various committees such as the Caring Campus Committee, High School Partnership Committee, multiple K-12 Advisory Committees, and previously worked as the K-14 Technical Assistance Provider (TAP) at MSJC for the region through the SB 1070 grant.

"My goal is to make sure all students are provided the resources and support they need to transition successfully to MSJC," Hughes said.

"We have learned over the past year because of the pandemic that there are ways to connect virtually with students that are beneficial," she said. "As we move forward, it is important to me that we continue to be flexible and provide our students services in a variety of ways, both in-person and online, that suits their individual needs."

Through the years, Hughes' position has allowed her to cultivate strong relationships with K-12 partners, students, counselors, and statewide partners, as well as local and regional businesses.

Hughes has a passion for all aspects of education and strives to connect both young and adult students to learning opportunities.



MSJC Career Education



(951) 639-5352



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