

# Engineering Professional Development Quick Response Manufacturing Certificate

## Learn the Principles and Tools for Lead Time Reduction in Manufacturing Enterprises

Quick Response Manufacturing (QRM) provides a proven set of principles and tools to reduce lead time throughout your enterprise and build a strong foundation for long term growth. QRM has helped companies reduce lead times by over 80%, reduce costs by 20-40% and substantially increase market share.

This certificate's course topics have been selected to provide you with a sound knowledge of the core principles of QRM strategy, along with the key tools needed to support implementation of QRM in practice.

### Professional Benefits

The QRM Certificate from UW-Madison will provide you with a formal credential from a world-class university to document your expertise in QRM principles, techniques, and tools. This credential demonstrates your mastery of QRM knowledge so that you can lead your organization through QRM implementations, improve your company's operational and financial performance and educate others about QRM principles. Your proficiency will be sought after, whether pursuing new career opportunities or sharing your knowledge through speeches at local events and international conferences.

### Commit to Your Career Now!

There is no upfront cost to enroll in the certificate. You can start working on the requirements (see reverse side) just by registering on the Engineering Professional Development (EPD) website and indicating your intention. After you have completed all the requirements, there will be a nominal processing fee of \$195 for the university administration to review your application and provide you with a printed and framed certificate.

Enroll now to expand your knowledge of manufacturing strategy, strengthen your career, help your organization, and promote implementation of QRM to enhance competitiveness of the manufacturing industry.



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### ***The QRM Certificate is jointly supported by Engineering Professional Development and the Center for Quick Response Manufacturing***

Engineering Professional Development (EPD) connects your business with faculty from the College of Engineering, as well as seasoned industry subject-matter experts to help you meet your talent development goals.

The Center for Quick Response Manufacturing is a partnership between industry and the University of Wisconsin-Madison, dedicated to the research and implementation of lead time reduction principles.

Since 1993, the Center has worked with more than 300 companies worldwide to implement and refine QRM principles with a focus on real-world challenges.

Center for  
Quick Response Manufacturing  
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### Questions?

For more information, contact QRM Center Associate Director Charlene Yauch at 608-263-0372 or [cyauch@wisc.edu](mailto:cyauch@wisc.edu).

# Certificate Requirements at a Glance

The following is an overview of the five requirements to earn the QRM Certificate. (The requirements can be completed in any order – there is no specified sequence.) All courses below are offered in Madison, Wisconsin, through the Center for QRM or Engineering Professional Development.

## 1) Two Core Courses on QRM

Complete the following two courses:

- How to Implement Quick Response Manufacturing (2-day course)
- How to Use Manufacturing Critical-path Time (1-day course)

## 2) Two Elective Courses on QRM Subjects

Complete any two of the following QRM courses:

- Introduction to POLCA (1-day course)
- How to Design Shop Floor Cells to Reduce Lead Times (1-day course)
- How to Design Office Cells to Reduce Lead Times (1-day course)
- QRM International Conference (2-day event)

Courses on additional QRM topics may be added to the above list from time to time – contact QRM Center Associate Director Charlene Yauch for additional details.

## 3) One Course on Leadership/Team Building

Complete one of the following courses:

- Mastering the Transition from Technical Expert to Leader
- Effectively Managing Technical Teams
- Leadership Beyond Your Team

## 4) One Course on Manufacturing/Management/Maintenance Subjects

Complete one of the courses offered by EPD or QRM as listed on [qrm.engr.wisc.edu/qrm-certificate](http://qrm.engr.wisc.edu/qrm-certificate).

## 5) Required Readings

Read these two books on QRM strategy and tools and pass a short online quiz:

- It's About Time: The Competitive Advantage of Quick Response Manufacturing
- MCT Quick Reference Guide

## Have You Previously Completed Some Courses? – You're already on your way!

If you have completed any of the eligible courses within 7 years prior to admittance into the certificate program you can receive credit for these courses.

**Special note on ISyE 641:** If you have completed the UW-Madison graduate course ISyE 641 within 7 years prior to admittance into the certificate program, you are well on your way to completing the QRM Certificate since many of the above requirements will be waived! Contact QRM Center Associate Director Charlene Yauch for more details.



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Learn more at [qrm.engr.wisc.edu/qrm-certificate](http://qrm.engr.wisc.edu/qrm-certificate)