

# Lean Six Sigma



## Deliver Growth-Minded Results

Define. Measure. Analyze. Improve. Control.  
Take command of your projects and learn the DMAIC process to save cost, improve performance, and increase project success. Recognize and solve business problems.

### GREEN BELT

*Self-paced & Instructor led*

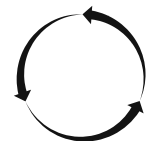
### APPLIED YELLOW BELT

### LEAN



*People identify ways to streamline processes to reduce waste.*

### SIX SIGMA



*Data is used to identify and solve problems to reduce defects.*



[accelerator.bryant.edu](https://accelerator.bryant.edu)



401-232-6200

**Bryant University**  
**INSPIRED TO EXCEL**

# BRYANT UNIVERSITY CERTIFICATE PROGRAMS

## WHY SHOULD YOU PURSUE A BRYANT UNIVERSITY CERTIFICATE

Bryant University fosters a career advancement mindset in which students learn in an interactive format to gain skills they can immediately apply for their professional development. Since 1863, Bryant University has been a leader in offering innovative educational programs that address the changing landscape of both business and society.

From Project Management to Six Sigma, People Analytics to Mastering Leadership, our programs utilize cutting-edge approaches to create a highly interactive and experiential learning environment and ensure the knowledge gained can be utilized right away. All programs are developed and supported by our renowned Bryant Faculty.

You choose the path that's right for you from the comfort of your home or office: virtual instructor-led or online self-paced.

## EDUCATION FOR INDIVIDUALS

Advance your career through our professional certificate programs and individual courses. Bryant offers virtual instructor-led and self-directed online learning options to provide you the utmost flexibility and convenience in your lifelong learning journey.

## CUSTOM PROGRAMS

Bryant University offers customizable training to corporations, non-profits, and government organizations. Our custom programs can be onsite, virtual instructor-led, or online self-paced.

Investing in employee professional development is an essential component for any organizational success. Working collaboratively, we develop customized corporate programs for employers to help increase retention, performance, and personal growth.

## KEY

### Instructor-Led (online)



*Icon represents programs offered by instructors via Zoom.*

Join our expert Bryant instructors for direct teaching via Zoom. Instructor-led courses provide excellent opportunities to network with fellow learners and engage in real-world applications of material.

### Self-Paced (online)



*Icon represents self-paced programs offered online.*

All self-paced courses are designed and supported by Bryant instructors. Self-paced courses are ideal opportunities to fit learning and career development into your busy schedule.

### Strategies for Success



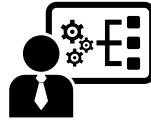
*Icon represents customizable programs offered for organizations.*

“Strategies for Success” is a one-week module that will familiarize you with our online learning system, to ensure when you begin your certificate program you are ready to learn and fully participate. Required for all first time Bryant University certificate learners.



## DESIGN THINKING

Leverage your creativity: tackle complex problems by developing innovative solutions.



## PROJECT MANAGEMENT

Explore the critical skills every project manager needs to be successful.



## HUMAN RESOURCES

*A SHRM preferred provider.*

Examine HR best practices and become a strategic partner in your company's success.



## LEADERSHIP DEVELOPMENT

Study the diverse skills required to be a dynamic value-based leader.



## LEAN SIX SIGMA

Use a logical problem solving methodology to improve processes by eliminating waste.



COMING SOON

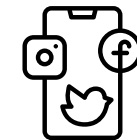
## BUSINESS ANALYSIS

Advise clients and stakeholders by conducting insightful needs analyses.



## AGILE & SCRUM

Deliver high quality efficient products and promote a strong team environment.



## DIGITAL & SOCIAL MEDIA STRATEGY

Analyze today's digital landscape and build a strategic plan with target metrics.



## DATA VISUALIZATION

Create vivid insightful visualizations in Excel, Power BI, Tableau, and Google Data Studio.



## FINANCIAL PLANNING

Satisfy the educational requirements to confidently sit for the CFP® exam.



## PA & NP LEADERSHIP IN HEALTHCARE

Master the skills PA/NP supervisors need in the healthcare workplace.



## CYBERSECURITY FRAMEWORK

Learn NIST Cybersecurity Framework controls and management systems.

# LEAN SIX SIGMA

Lean Six Sigma (LSS) is about improving processes to deliver customer—internal or external—expectations more efficiently. Employees trained in the Lean Six Sigma process known as DMAIC (Define, Measure, Analyze, Improve, Control) save cost, improve performance, and increase project success. This logical, step-by-step, problem-solving methodology is crucial to all growth-minded businesses. The Lean Six Sigma Applied Yellow Belt and Green Belt Certificate programs provide the training required to recognize and define business problems in such a way that they can be solved effectively and efficiently.

Yellow Belt is not a prerequisite for Green Belt.

# LEAN SIX SIGMA

## LEAN SIX SIGMA APPLIED YELLOW BELT CERTIFICATE

The combination of Lean Thinking and Six Sigma tools will help you identify and solve problems directly related to the operational efficiency and profitability of your business.



Earn 1.5 CEUs

### Course Description

This is an introductory course to Lean and Six Sigma with a focus on the DMAIC (Define, Measure, Analyze, Improve, Control) approach to problem solving. Problem solving is a critical business skill that requires both analytical and interpersonal skills. And, perhaps more importantly, it also requires an ability to recognize and define business problems in such a way that they can be solved effectively and efficiently. Several commonly used tools to achieve the objectives of each of the DMAIC five phases will be reviewed.

### Audience

For individuals in any sector—from manufacturing to financial services, to healthcare and nonprofit organizations—who want to improve operational efficiency through data-driven decision making.

This certificate program is designed for prospective and current Six Sigma team members who want a fundamental knowledge of the process.

### Course Information

#### SIG 502

Schedule: Online, anytime. Begin your course on the first Sunday following enrollment.

1.5 CEUs

### Overview & Assignments

This course consists of 2-weeks of guided learning, each comprising multimedia, interactive modules, curated readings. Discussion posts due on Mondays and all other deliverables due on Saturdays.

Expect to spend approximately 7-8 hours per week working through these materials and assignments.

### Outcomes

The certified Yellow Belt individual can develop process maps to support Six Sigma projects, participate as a team member, and assist in identifying processes that will benefit from improvement projects.

- Understand the flow and objectives of each of the DMAIC problem solving steps
- Define how the gap between customer needs and process performance drives the selection of LSS projects
- Develop a data collection plan to characterize process performance
- Create a cause-and-effect diagram to identify key process input variables
- Use process mapping to identify waste in the process
- Develop an improved process which addresses the issues uncovered in previous steps
- Create a control plan to keep the new process on track

# LEAN SIX SIGMA

## LEAN SIX SIGMA GREEN BELT CERTIFICATE

Learn Six Sigma methodology tools and help your organization improve process efficiencies by eliminating waste.



Earn 3.5 CEUs

### Course Description

Lean Six Sigma (LSS) is about improving processes to deliver customer—internal or external—expectations more efficiently. It follows the DMAIC (Define, Measure, Analyze, Improve, Control) process, a logical, step-by-step, problem-solving methodology.

In this course, data-based decision making, and statistical analysis tools will be introduced to address the objectives of each of the five DMAIC steps. This course is designed to provide the training required to prepare you to earn Six Sigma Green Belt status.

### Audience

For individuals who desire a solid foundation in Lean Thinking and Six Sigma philosophies and those who are looking to support Black Belt projects.

### Green Belt Certification Process (optional)

For an additional fee, Green Belt Certification will be awarded based upon successfully applying Lean Six Sigma principles to a project. Green Belt candidates submit projects for review and approval. Green Belt Certification prerequisite: Bryant University Green Belt Certificate or equivalent experience.

### Course Information

The Lean Six Sigma Green Belt certificate is available in virtual instructor-led and online self-paced courses. Both courses are designed with the same learning outcomes.

#### PMC 100

Schedule: 5 weeks of virtual Instructor led classes, please see the Course Schedule for dates and times .  
3.5 CEUs

#### PMC 500

Schedule: Online, anytime . Begin your course on the first Sunday following enrollment .  
3.5 CEUs

### Overview & Assignments

Anticipate 7 hours per week working through the 5-weeks.

#### SIG 103—Instructor Led

This course consists of 5 weekly 3-hour virtual instructor-led sessions live via Zoom, with approximately one hour per week of additional readings and/or assignments during the course.

#### SIG 503—Self-Paced

This course consists of 5-weeks of guided learning, each comprising multimedia, interactive modules, and curated readings. Discussion posts due on Mondays and all other deliverables due on Saturdays.

### Outcomes

As a Green Belt, you will know how to successfully deploy Six Sigma techniques to lead small-scale improvement projects within your respective area.

This course will equip you to:

- Understand the flow and objectives of each of the DMAIC problem solving steps.
- Apply Lean and Six Sigma tools to eliminate defects and reduce waste.
- Collect, analyze, and quantify data to enable process improvement.
- Participate as a key team member on a Black Belt-led project.

## Lean Six Sigma

*Yellow Belt **is not** a prerequisite for Green Belt.*

Course	Format	Schedule	Fee	Instructor	CEUs
Applied Yellow Belt Certificate	Self-Paced Online <a href="#">SIG 502</a>	<b>ANYTIME</b> Class begins the Sunday following enrollment <i>2 weeks</i>	\$ 999.00	Jud Van Wyk	1.5
Green Belt Certificate	Instructor Led via Zoom <a href="#">SIG 103</a>	<b>Fall 2022</b> Oct 18-Nov15 Tues, 6PM-9PM <i>5 weeks</i>	\$ 2,695.00	Jud Van Wyk	3.5
	Self-Paced Online <a href="#">SIG 503</a>	<b>ANYTIME</b> Class begins the Sunday following enrollment <i>5 weeks</i>	\$ 1,995.00		