

# Motorsports Vehicle Technology

## Degree Program

### MVT3

### Curriculum

[Click here to jump to Program Description, Admissions Requirements, and Financial Aid.](#)

#### General Education Core – Total of 15 Hours

##### Area I – Language Arts/Communications – Choose 3 Hours

ENGL 1101 *Composition & Rhetoric* (3)

##### Area II – Social/Behavioral Sciences – Choose 3 Hours

ECON 1101 *Principles of Economics* (3)

ECON 2105 *Macroeconomics* (3)

ECON 2106 *Microeconomics* (3)

HIST 1111 *World History I* (3)

HIST 1112 *World History II* (3)

HIST 2111 *U.S. History I* (3)

HIST 2112 *U.S. History II* (3)

POLS 1101 *American Government* (3)

POLS 2401 *Global Issues* (3)

PSYC 1101 *Introductory Psychology* (3)

SOCI 1101 *Introduction to Sociology* (3)

##### Area III – Natural Sciences/Mathematics – Choose 3 Hours

MATH 1101 *Mathematical Modeling* (3)

MATH 1103 *Quantitative Skills/Reasoning* (3)

MATH 1111 *College Algebra* (3)

##### Area IV – Humanities/Fine Arts – Choose 3 Hours

ARTS 1101 *Art Appreciation* (3)

HUMN 1101 *Intro. to Humanities* (3)

ENGL 2110 *World Literature* (3)

MUSC 1101 *Music Appreciation* (3)

ENGL 2130 *American Literature* (3)

#### General Education Core Elective – Choose 3 Hours

##### Program-Specific Core – Total of 46 Hours

COMP 1000 *Introduction to Computers* (3)

MSVT 1000 *Intro Motorsports/Race Sys* (3)

MSVT 1010 *Electrical Systems* (4)

MSVT 1040 *Gear Box & Final Drives* (4)

MSVT 1030 *Motorsports Welding* (3) - OR -

WELD 1000 *Intro Welding Technology* (4)

MSVT 2000 *Motorsports Composites* (5) - OR -

MSVT 2005 *Body/Chassis Design/Fabrication* (5)

MCHT 1011 *Intro to Machine Tool* (4) - OR -

MSVT 1020 *Motorsports Machine Tool* (4) - OR -

ACRP 1000 *Intro/Auto Collision Repair* (4) - OR -

DFTG 1101 *CAD Fundamentals* (4)

MSVT 1090 *Motorsports Internship I* (4)

MSVT 1050 *Fabrication Techniques* (6)

MSVT 2010 *Engine Design Bldg/Testing* (3)

MSVT 2020 *Race Car Preparation/Testing* (3)

MSVT 2090 *Motorsports Internship II* (4)

**Total: 61 Hours**

#### General Education Core Electives

ARTS 1101 *Art Appreciation* (3)

BIOL 1111(L) *Biology I + Lab* (4)

BIOL 2113(L) *Human A&P I + Lab* (4)

BIOL 2114(L) *Human A&P II + Lab* (4)

ECON 1101 *Principles of Economics* (3)

ECON 2105 *Macroeconomics* (3)

ECON 2106 *Microeconomics* (3)

ENGL 1102 *Literature & Comp.* (3)

ENGL 2110 *World Literature* (3)

ENGL 2130 *American Literature* (3)

HIST 1111 *World History I* (3)

HIST 1112 *World History II* (3)

HIST 2111 *US History I* (3)

HIST 2112 *US History II* (3)

HUMN 1101 *Intro to Humanities* (3)

MATH 1101 *Math Modeling* (3)

MATH 1103 *Quant. Skills/Reason* (3)

MATH 1111 *College Algebra* (3)

MATH 1112 *College Trig* (3)

MATH 1113 *Precalculus* (3)

MATH 1127 *Intro to Statistics* (3)

MATH 1131 *Calculus I* (4)

MUSC 1101 *Music Apprec.* (3)

PHYS 1110(L) *Conc. Phys + Lab* (4)

POLS 1101 *American Govt.* (3)

POLS 2401 *Global Issues* (3)

PSYC 1101 *Intro Psychology* (3)

PSYC 2103 *Human Develop.* (3)

SOCI 1101 *Intro to Sociology* (3)

SPAN 1101 *Intro to Spanish* (3)

SPCH 1101 *Public Speaking* (3)

For more information about our graduation rates, the median debt of students who complete programs, and other important information please visit our website: <http://www.laniertech.edu/GE.aspx>.

# Motorsports Vehicle Technology

## Degree Program

### MVT3

#### Program Description

The Motorsports Vehicle Technology associate degree program prepares students for an entry level position in a racing team shop. Focus is on many forms of racing vehicles including sports cars, stock cars, drag cars, and open wheel cars. Students learn chassis set up, engine designs, brake systems, transmissions, electrical systems, fuel systems, and fabrication skills unique to racing vehicles. Students are also taught precision measurement, math, and communication skills required of racing team members.

#### Program Specific Information

Students are accepted Fall and Spring Semesters based on course and space availability and selective admission.

#### Additional Admissions Requirements

A competitive admission process, including competency testing and a copy of current resume, is used to select applicants for the program. Application deadline is approximately five weeks prior to the start of Spring Semester and approximately four weeks prior to the start of fall Semesters. Please contact the Motorsports Program Director to confirm due dates. Applications, transcripts, and test scores must be received prior to these dates.

#### Program Length & Availability

4 Semesters

Campus Availability: Oakwood

#### Admissions Requirements

- Must be 16 years of age.
- High school diploma or GED is required prior to admission.  
*(Official transcripts or GED scores must be submitted from all colleges and/or high schools attended for credit.)*
- ACCUPLACER Testing, or submit SAT, ACT, CPE, COMPASS, or ASSET test scores.

#### Financial Aid

This program is eligible for the Pell Grant and may be eligible for Institutional and State Financial Aid. Contact a Financial Aid Counselor for eligibility requirements and application materials.

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