



INTERESTED IN A CAREER IN MOTORSPORTS?

We can help get you there.

FIRST: WHY MOTORSPORTS?

Motorsports has currently become an exciting and attractive field to pursue as a career.

The golden age of national and international auto racing is right now, and the Motorsports industry has reached an unprecedented level of technical sophistication. Motorsports is a mature and diverse industry, and it brings well remunerated jobs to professionals with knowledge and skill in the field.

Motorsports is at the vanguard of vehicle design, manufacture, testing, and car-race entertainment. Motorsports carry the prestige of vehicle makes, models and manufacturers. Motorsports attracts national and international sponsors, and countless business and technical opportunities. Maybe one of those opportunities is destined to have your name on it.

Thus, if you are considering a career in the dynamic and exciting field of Motorsports, now is the time to prepare yourself by pursuing a bachelor's degree in Motorsports at Old Dominion University of Virginia.

OLD DOMINION UNIVERSITY, DEDICATED TO MOTORSPORTS

Old Dominion University (ODU, Norfolk, VA) and the New College Institute (NCI, Martinsville, VA) have partnered to offer a bachelor's program in the field of motorsports in Martinsville. This partnership aims at satisfying the educational aspirations and needs of many students, professionals, and companies involved in the motorsports industry.

Why Martinsville, VA?

Because Martinsville, and its surrounding area, has been declared the "*Motorsports Alley*" of Virginia.

Raceways, speedways, motorsports facilities, and state-of-the-art motorsports laboratories make possible to deliver quality education and training in the field.

Old Dominion University is aggressively implementing academic infrastructure in the area of Martinsville. This infrastructure is designed specifically for motorsports education and research, and allows ODU to offer programs at the Bachelor's and Master's levels.

In effect, Old Dominion University is committed to deliver quality engineering education in motorsports.

UNDERGRADUATE PROGRAM IN MOTORSPORTS AND COST

ODU's bachelor's program in Motorsports is quite flexible. It requires the completion of 121 academic course-credits. These credits are divided into "**lower-division**" credits and "**upper-division**" credits.

You can start the program by completing lower-division credits at a State or Private College of your choice. If all lower-division courses can be completed this way, you can transfer up to 76 credits to ODU's Motorsports bachelor's program.

Many students prefer to enroll in a local community college, which makes the completion of lower-division credits quite affordable.

The completion of the bachelor's program involves 45 additional credits that are delivered by ODU in Martinsville, VA. Ideally, these additional 45 credits could be completed by students in three academic semesters. Information about tuition cost per credit can be found at http://www.odu.edu/af/finance/students/tuition_rates/.

Martinsville is a very affordable city. Cost of living can be substantially lower than other larger cities in the U.S. Therefore, there is a great deal of control over tuition costs and living expenses.

Financial assistance information can be found at <http://www.odu.edu/af/finaid/>.

DETAILS, DETAILS, DETAILS.....

The chart below explains the course and credit requirements for the program. Students interested in the Motorsports bachelor's program are required to complete credits in Oral and Written Communication, Mathematics, Natural Science, Humanities and Social Science, and credits referred to as "Technical Content" credits.

With the exception of "Technical Base" courses, most colleges in the US offer courses that are compatible and transferable to ODU's Motorsports program. Furthermore, course transferability can be easily examined by accessing ODU's course-transfer data base known as: "Monarch TRANSFERmation" system at the following website:

<http://admissions.odu.edu/undergraduate.php?page=TRANSFERmation>

Therefore, no matter where you live in the US, you can start the completion of credits following the requirements shown in the chart and checking the transferability of the courses. In case of doubt, you can check transferability of credits with ODU's Director of the Motorsports Program at Martinsville, by sending your questions to motorsports@newcollegeinstitute.org.

MOTORSPORTS "TECHNICAL BASE" CREDITS

Because engineering programs in Motorsports are quite unique, you may find some difficulty identifying colleges where students can complete the "Technical Base" credits as recommended by ODU's Motorsports program. In fact, ODU partners with Patrick Henry Community College in Martinsville, VA to offer those courses. These are courses heavily related to the Motorsports field, and with substantial hands-on activity in special laboratories that are built specifically for Motorsports instruction. Students are strongly encouraged to enroll in such courses.

A short demonstration of lower-division hands-on instruction can be found at the following site:

<mms://www.ph.vccs.edu/promo/racetour.wmv>

Few colleges or institutes in the US have such laboratories. Of course, students are welcome to enroll at Patrick Henry Community College, our partner institution, in order to complete the Technical Content credit requirements seamlessly.



**BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY (B.S.E.T)
MOTORSPORTS**

LOWER-DIVISION CREDITS

Most credits can be completed at a local State or Private College ⁽¹⁾

ODU courses		Credits
	Oral and Written Communication	9
ENGL 110C	English Composition	3
ENGL 131C	Technical & Scientific writing	3
COMM 101R	Public Speaking	3
	Mathematics	10
MATH 162M	Pre-Calculus I	3
MATH 163	Pre-Calculus II	3
MATH 211	Calculus I	4
	Natural Science	12
PHYS 111N	General Physics I with Lab	4
PHYS 112N	General Physics II with Lab	4
CHEM 115N	Foundations of Chemistry with Lab	4
	Humanities and Social Perspectives*	15
ENGL112L-144L	Literature Perspective (L)	3
HIST104H	History Perspective (H)	3
PHIL120P	Philosophy Perspective (P)	3
ARTS122A	Fine Arts (F)	3
SOC 201S	Social Science (S)	3
	Technical Content	30
MET100	Engineering Graphics and CAD*	3
**	Technical Base (Engineering/Motorsports)	18
**	Technical Electives	9
	TOTAL CREDITS LOWER DIVISION	76

UPPER-DIVISION CREDITS

Courses are delivered by ODU in Martinsville, VA

ODU courses		Credits
	Technical Content including Electives	33
MET 300	Thermodynamics	3
MET 305	Principles of Mechanics	3
MET 330	Fluid Mechanics	3
MET 335	Fluid Mechanics Lab	1
MET 350	Thermal Applications	3
MET 387	Power & Energy Laboratory	2
AE 407	Ground Vehicle Aerodynamics	3
AE 457	Vehicle Dynamics	3
AE 467	Race Car Performance	3
AE 477	High Performance Piston Engines	3
MET 435	Senior Project	3
	Technical Elective	3
	Minor	12
ENMA 301	Engineering Management	3
ENMA 302	Engineering Economics	3
ENMA 401	Project Management	3
ENMA 420	Statistical Cncpts. Engineering Mangmt.	3
	TOTAL CREDITS UPPER DIVISION	45

**TOTAL CREDIT HOURS REQUIRED TO COMPLETE THE B.S.E.T. PROGRAM IN
MOTORSPORTS ENGINEERING TECHNOLOGY 121**

(1) Course equivalency and transferability can be checked using ODU's "TRANSFERmation" system, or consulted with ODU's Director of Motorsports Program at motorsports@newcollegeinstitute.org.
* There may be some alternative courses that are acceptable to fulfill this requirement. Consult with ODU's Director of Motorsports Program.
** Technical Base and Technical Electives include courses in engineering disciplines that are related to motorsports.

UPPER-DIVISION CREDITS

Upper-division courses are delivered by ODU at Martinsville, VA, through live-on-site lectures and labs. Televised lectures or lectures via computer-video-conferencing can also be arranged upon request. Laboratory practice however, must be completed at "real-life" facilities such as the Virginia International Raceway, Driving simulator, Vehicle dynamics rig, Chassis dynamometer, and Engine Instrumentation laboratories in Danville, Langley Full-Scale Wind Tunnel operated by ODU, and the Virginia Motorsports Technology Center at Patrick Henry Community College.

WHAT ARE YOUR CHOICES?

You have several alternatives. For example, you can enroll in the proper course of study at your local College as soon as possible, and start the completion of credit-requirements. Upon or near completion of 58 lower-division credits, you may seek transfer to ODU's Motorsport program as Junior. You may be required cross-enrollment with PHCC in order to complete remaining lower-division credits, while simultaneously completing upper-division credits.

It is also possible to apply for undergraduate admission into ODU as freshman. In this case, most lower-division credits may be completed at Norfolk, VA. At the time of your choice, you may continue your baccalaureate studies in Motorsports in Martinsville, VA.

The preferred method is to enroll at PHCC, our partner institution in Martinsville, VA, and complete all lower-division requirements there. ODU-PHCC articulation agreement guarantees a seamless transfer of credits.

Chances are that you already have a majority of lower-division credits completed. If this is the case, you may already be able to enroll into ODU's Motorsports program.

The choice is yours.

In any case, if you have decided to pursue a career in Motorsports, this is an excellent time to consider ODU's Bachelor's Program in Motorsports. This is the ideal time to initiate a gratifying career that involves high performance engines, intrepidly aerodynamic and sporty vehicles, fast race cars, and exciting race events.

Do not delay your educational decision. This is a good time to start. Enroll in the proper course of study that will lead you to become an engineer with expertise in Motorsports.

FURTHER QUESTIONS?

Do not hesitate to send your questions to motorsports@newcollegeinstitute.org.

For more information please access: www.eng.odu.edu/et/academics/mset/ and link to the Motorsports webpage.

Other details can also be found at:

http://www.newcollegeinstitute.org/Contact_Us/Request_Info_Form.aspx

If you prefer to get in touch with us directly, feel free to call our office at (276) 656-5477. We will be delighted to provide answers, and discuss with you the educational opportunities at ODU in the field of Motorsports.

Truly,

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