**Marian – IUPUI Dual Degree Engineering Program Frequently Asked Questions**

**What engineering majors are available?** We have approved programs in Mechanical, Electrical, and Biomedical Engineering. We are working on the programs in Computer, Energy, and Motorsports Engineering.

**But I can major in anything at Marian, right?** No.We built the program around the mathematics major at Marian largely because engineering already requires a great deal of math. We do have an approved track for combining Biology with Biomedical Engineering, but to complete that program in five years a student will need significant advanced credit or multiple summer school sessions. Only the strongest applicants will be considered for admission to this track. Other combinations *might* be worked out, but the approval process could take some time. Completing the program in five years with any other major is highly unlikely unless you bring in a lot of advance credit from AP, ACP, IB, or similar sources. By far the best fit with engineering is math.

**Can I major in just engineering?** No. This is a dual-degree program, with one degree coming from Marian, and the other from Purdue via IUPUI.

**What about admissions requirements?** This is a *very* demanding program, probably the most academically challenging undergraduate course we offer. In view of these demands, students seeking admission to the Dual Degree Program must meet higher minimum requirements than other students applying for admission to Marian University, or even to engineering at IUPUI. Those are:

Core 40, Academic Honors, or

 8 semesters of mathematics including pre-calculus, trigonometry, or math analysis. Calculus is encouraged.

 8 semesters of English

 6 semesters of Science with labs including a year of Chemistry. Physics is *strongly*encouraged

 6 semesters of Social Science

 4 semesters of additional college prep courses selected from mathematics, English, Science, foreign language, and social sciences.

Students must have minimum SAT scores of 600 math and 530 verbal/critical reading or ACT scores of 26 math and 22 English. Completion of the writing section is also required. Note that these are *minimums*, and additional preparation in math and science is strongly encouraged. In particular, students should make every effort to take physics in high school. Keep in mind that you’re doing *two* degrees.

Mathematically, both degrees begin with Calculus I. A student who places into Pre-Calculus may still be allowed entry into the DDEP but will have to successfully complete Physics I and Calculus II during the summer between years 1 and 2 in order to catch up with their year. Students placing below Pre-Calculus will not be admitted to the program.

Understand that applying to, and being accepted to Marian University does not guarantee acceptance into the Dual Degree Engineering Program. A student whose scores fall below those listed here may still be accepted into the University, but not into this program.

**Why should I consider a dual-degree program at Marian instead of just doing engineering somewhere else?**  There are at least two very sound reasons for coming to Marian, one immediate and one long-term.

During your school years you will have the experience of a small, Catholic university and the way of living and relating with others characteristic of that environment. You will not be just another face in the crowd here. It’s personal. Simultaneously, you can take advantage of a larger, urban campus just minutes away and know that experience as well.

Long term, the return on the investment is significant for those who complete a program like this. Engineers are very employable, and with a math degree alongside, you would compete well if the market narrows.

The dual degrees also broaden the scope of jobs you might be hired for. A Purdue engineering degree is world-class, and widely recognized as such. Marian demands a graduate be educated well beyond the boundaries of their primary field, and this breadth is one of the really exciting things about our dual-degree effort. Our engineers will have a real understanding of the human dimension of their work and its impact. Technical competence is vital, but there is a great deal more to success. A young engineer once remarked that the only reason for doing any engineering is to bring some benefit to humanity. He was right, but a purely technical education may not illuminate that point very much. Marian’s general education program will equip you to appreciate and act on that kind of thinking to a far greater degree than a pure engineering curriculum. This program will put a great deal of educational scope into your school years and send you out into the world ready to think beyond the immediate issues. That advantage, coupled with solid professional performance, can ultimately do much to set you up for significant leadership roles and the rewards that accompany them.

**This is a special program. Are there any deadlines?** Yes. Applications for admission to the fall term must be complete by March 15th. This will permit admitted students to complete registration early so as to avoid being blocked out of courses due to full sections and schedule conflicts. We actually prefer that you complete the application earlier, and we expect you to participate in the April SOAR date.

**I’m an athlete interested in engineering. Will I be able to take a lighter class load during my sport’s semester?** Maybe. It depends in very large part on how much advance credit you bring in to the university, and your willingness to attend summer school. It’s also possible that the program demands will require you to sit out a season. Alternatively, you may need more than five years to graduate.

**I’m enrolled in Project Lead The Way dual-credit classes in high school. Can I get any degree credit for these?** No**.** IUPUI does not accept any Project Lead the Way high school courses for university credit toward an engineering degree.  This parallels the policy at West Lafayette.  Project Lead the Way courses are great preparation for an engineering program, but they do not have the level of math and theory that college courses have.

**Do I have to apply to IUPUI, too?** Not separately. You will fill out a DDEP supplemental application and Marian will send it to IUPUI with your other admissions materials.

**What about parking and other fees at IUPUI?** Virtually all of the financial matters are transparent to the student, who pays Marian their tuition and fees. For example, students have their parking permits billed to their IUPUI Bursar account, and then IUPUI sends that bill to Marian.