

Dual Degree (BS/PharmD) Program
Grand Valley State University/University of Michigan

On September 23, 2002, Grand Valley State University and the College of Pharmacy at the University of Michigan signed an agreement that establishes a dual-degree undergraduate/professional program leading to both the bachelor of science degree from Grand Valley and the Doctor of Pharmacy degree from the University of Michigan.

Under the agreement, selected Grand Valley sophomores who meet specified criteria will be granted guaranteed admission to the College of Pharmacy at the University of Michigan. After successfully completing their junior year at Grand Valley, the students will transfer to the University of Michigan College of Pharmacy, where they will begin four years of the pharmacy program. After completing the first year of pharmacy studies at University of Michigan, the students will receive their bachelor's degree from Grand Valley. Upon completion of the remaining three years of pharmacy studies, the students will receive their doctor of pharmacy degree (PharmD) from the University of Michigan. Initial students in this dual-degree program will earn their bachelor's degree in Biomedical Sciences; subsequent Grand Valley undergraduate degree options may also include degrees in Biology, Chemistry, and Cell and Molecular Biology.

Because of the selectiveness of the University of Michigan College of Pharmacy, the majority of students accepted into the pharmacy program already have completed their baccalaureate degrees. This dual-degree program with Grand Valley will save one year of undergraduate studies for the participating students. The program will start out small; up to five Grand Valley students each year will be admitted into the dual-degree program. For your information, attached is some course specific information for this program.

Dual Degree Undergraduate Component Study Plan

Grand Valley State University – University of Michigan Dual Bachelor of Science (Biomedical Sciences) – Doctor of Pharmacy Program

September 23, 2002

Freshman Year at Grand Valley (assumes waiver of MTH 110 basic skills requirement):

Fall

CHM 115 Principles of Chemistry I (5 cr)
BIO 120 General Biology I (4 cr)
WRT 150 Strategies in Writing (4 cr)
Gen Ed (Social Sciences Category) (3 cr) or
MTH 122, if needed (3 cr)
Semester Total (16 cr)

Winter

CHM 116 Principles of Chemistry II (5 cr)
MTH 201* Calculus/Analytic Geom I (5 cr)
BMS 208 Human Anatomy (3 cr)
Gen Ed (Arts Category) (3 cr)
Semester Total (16 cr)

Sophomore Year at Grand Valley:

Fall

CHM 241 Organic Chemistry I (4 cr)
PHY 220 General Physics I (5 cr)
Gen Ed (Social Sciences Category) (3 cr)
Gen Ed (History Category) (3 cr)
Semester Total (15 cr)

Winter

CHM 242 Organic Chemistry II (4 cr)
PHY 221 General Physics II (5 cr)
Gen Ed (Philos/Literature Category) (3 cr)
Gen Ed Theme Course #1 (3 cr)
Semester Total (15 cr)

Junior Year at Grand Valley:

Fall

BMS 212/213 Microbiology/Lab (4 cr)
CHM 461 Biochemistry I (4 cr)
Gen Ed (World Perspectives Category) (3 cr)
Gen Ed Theme Course #2 (3 cr)
Elective or WRT 305: Writing in the
Disciplines (3 cr) or waived by exam
Semester Total (14-17 cr)

Winter

BMS 495 Concepts in Wellness (Capstone &
Writing Intensive Course) (3 cr)
BIO 375/376 Genetics Lab (4 cr)
Gen Ed (US Diversity Category) (3 cr)
Gen Ed Theme Course #3 (3 cr)
STA 215 Introductory Applied Stats (3 cr)
Semester Total (16 cr)

*Students must complete MTH 122 and 123 before moving on to MTH 201.

Students who are accepted into this dual-degree program, successfully complete their approved Grand Valley undergraduate study plans, and meet all other requirements will transfer to the University of Michigan College of Pharmacy for 4 years of the professional component of the pharmacy curriculum.

- BS in Biomedical Sciences conferred by GVSU after successful completion of P-1 year at the University of Michigan
- PharmD conferred by University of Michigan after successful completion of all 4 years of the professional component

Dual Degree (BS/PharmD) Program

Grand Valley State University – University of Michigan

September 23, 2002

Baccalaureate Component Degree Plan and Criteria: BS in Biomedical Sciences

Beginning with the entry class of Fall 2003, the University of Michigan College of Pharmacy will yearly grant admission to up to five (5) Grand Valley State University students who meet the following criteria, have been selected by Grand Valley State University faculty, and have been approved by the Admissions Committee of the College of Pharmacy at the University of Michigan.

1. Successful completion of at least 90 designated semester credits at Grand Valley, with a grade of C or higher in each course (only courses with grades of C or higher are accepted for transfer by the University of Michigan):

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| BIO 120 | General Biology I (4 cr) |
| BIO 375 | Genetics (3 cr) |
| BIO 376 | Laboratory in Genetics (1 cr) |
| CHM 115 | Principles of Chemistry I (5 cr) |
| CHM 116 | Principles of Chemistry II (5 cr) |
| CHM 241 | Organic Chemistry I (4 cr) |
| CHM 242 | Organic Chemistry II (4 cr) |
| CHM 461 | Biochemistry I (4 cr) |
| MTH 201 | Calculus and Analytic Geometry I (5 cr) |
| MTH 202 | Calculus and Analytic Geometry II (4 cr) – recommended |
| PHY 220 | General Physics I (5 cr) |
| PHY 221 | General Physics II (5 cr) |
| BMS 208 | Human Anatomy (3 cr) |
| BMS 212 | Introductory Microbiology (3 cr) |
| BMS 213 | Laboratory in Microbiology (1 cr) |
| BMS 495 | Concepts in Wellness – Capstone (3 cr) |
| STA 215 | Introductory Applied Statistics (3 cr) |
| WRT 150 | Strategies in Writing (4 cr) |
| WRT 305 | Writing in the Disciplines (3 cr) or successful junior-level writing assessment exam |

GVSU General Education Requirements:

- Social Sciences Category – 2 courses (6 cr)
- Arts Category – 1 course (3 cr)
- Philosophy/Literature Category – 1 course (3 cr)
- History Category – 1 course (3 cr)
- World Perspectives Category – 1 course (3 cr)
- U.S. Diversity Category – 1 course (3 cr)
- Theme – 3 courses (9 cr)
- Supplemental Writing Skills – 2 “SWS designated courses

2. Overall cumulative GPA of at least 3.3
3. Significant and varied health-related experience.
4. Completed application form.
5. Two letters of recommendation, one of which must be from an employer.
6. Essay describing the applicant's career objectives and reasons for applying to the University of Michigan pharmacy program.
7. For students whose native language is not English, a minimum score of 85 on the Michigan English Language Assessment Battery (MELAB), including the oral interview, or 253 on the Test of English as a Foreign Language (TOEFL), including the TOEFL Test of Spoken English.
8. All high school and university transcripts.
9. Application process begins in the sophomore year.

Updated 11/4/2004