Academic Planning Guide-Engineering 3-2 program

North Park University

effective with 2013-2014 Catalog

Engineering 3-2 Program Requirements

Required Semester Hours **: BA: 50 semester hours**

Supporting Courses: 12 semester hours

- [ ] MATH 1510: Calculus I (4) - *meets Analytical & Quantitative Reasoning Requirement*
- [ ] MATH 1510: Calculus II (4)
- [ ] MATH 2030: Differential Equations (4)

Required Core Courses **: 32 semester hours**

- [ ] PHYS 1210: Introductory Physics I (4) - *meets Physical Science Requirement*
- [ ] PHYS 1220: Introductory Physics II (4)
- [ ] PHYS 1330: Mechanical Comprehension (2)
- [ ] PHYS 1410: Pursuit of Knowledge (2)
- [ ] PHYS 1510: Mathematical Methods of Physics (2)
- [ ] PHYS 2110: Modern Physics (4)
- [ ] PHYS 2510: Electronics for Scientists (3)
- [ ] PHYS 2520: Electronics Lab (1)
- [ ] PHYS 3110: Statistical Thermodynamics (4)
- [ ] PHYS 3310: Dynamics (4)
- [ ] PHYS 4030: Knowledge Reloaded (2)

Elective Courses: 6 semester hours

Engineering Prerequisites:

- [ ] CHEM 1150: Introduction to Chemistry I (4)
- [ ] CHEM 1160: Introduction to Chemistry II (4)
- [ ] MATH 3100: Linear Algebra (4)

Notes:

Students completing the 3-2 Engineering Program will receive a B.A. in Physics from North Park University.

The 3-2 Engineering Program consists of 3 years at North Park at which time the student transfer to an accredited engineering school. It is recommended that students complete the courses listed above and all the North Park Core Curriculum requirements. In order to fulfill all the requirements of a B.A. in Physics at North Park, the student, upon completion of course work at the accredited engineering school, will transfer back courses to satisfy all major requirements.

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Core Curriculum

Starting with the framework of North Park's identity as a Christian, liberal arts institution, our Core Curriculum is intentionally multi-disciplinary and multi-year. It is set up as a progress through three areas: Foundation Courses, Explorations Courses, and Capstone Courses.

http://www.northpark.edu/Academics/Undergraduate-Studies/Core-Curriculum

Foundations

Preparing for more in-depth work in both the Core Curriculum and your major

	Cornerstone Seminar (4sh)

	Biblical Studies (4sh)

	Health and Well-Being (2sh)

	Analytical & Quantitative Reasoning (4sh)
	met by prerequisite course MATH 1510

	Global Histories (4sh)

	Modern Languages (8sh)

Explorations

Knowledge in specific disciplines, with strong emphasis on how you can use them in the context of your own life

	Art and Aesthetics (2sh)

	Christian Life & Thought (4sh)

	Life Science (2sh/lab)

	Physical Science (2sh/lab)
	met by prerequisite course PHYS 1210

	Culture and Society (4sh)

	Ethical Reasoning (2sh)

Intermediate Level Writing

Two courses in the context of your major that specifically address writing clearly and doing effective research

	Writing Intensive Course (4sh)

	Research Writing Course (4sh)

Keystone

Interdisciplinary integration of skills and knowledge applied to contemporary social issues

	Keystone Seminar (4sh)

The Academic Planning Guide is designed as a guide for students planning their course selec-tions. The information on this page provides only a suggested schedule. Actual course selec-tions should be made with the advice and consent of a faculty advisor. While accurately portraying the information contained in the university catalog, this form is not considered a legal substitute for that document. Students should become familiar with the catalog in effect at the time in which they entered the institution.