

Proposed Revision of UNM-LA's Associate of Science in Pre-Professional Health Sciences

Overall rationale for change: Reducing credit hours to meet state mandated change to 60 hours for Associate degree.

CURRENT TEXT

About the Program

This is a transfer degree program designed for students pursuing a career in the health sciences, such as nursing, physician's assistant, dental hygiene, and pharmacy. Completion of this degree will fulfill the pre-admission requirements for most medical professional programs and enable students to transfer to a baccalaureate degree in BS in nursing, BS in dental hygiene, BS – Physician assistant studies program, to Masters in Physical Therapy.

Specific Requirements

A minimum of 63 credit hours with minimum C (not C-) grade or better in all courses and overall grade 2.5 or higher. At least 15 of these 63 hours must be UNM-LA catalog credit courses taken in residence. It is strongly recommended that the students check the specific requirements for the health sciences degree program of interest at the 4 year institution of their choice before registering for courses in the degree program.

PROPOSED REVISION

About the Program

This is a transfer degree program designed for students pursuing a career in the health sciences, such as nursing, physician's assistant, dental hygiene, and pharmacy. Completion of this degree will fulfill the pre-admission requirements for most medical professional programs and enable students to transfer to a baccalaureate degree in BS in nursing, BS in dental hygiene, BS – Physician assistant studies program, to Masters in Physical Therapy. It is strongly recommended that the students check the specific requirements for the health sciences degree program of interest at the 4 year institution of their choice before registering for courses in the degree program.

Rationale: Reiterate the fact that this is a generalized degree plan and that requirements specific to the intended health profession should be considered before making a degree plan.

Specific Requirements

A minimum of 60 credit hours with minimum C (not C-) grade or better in all courses and overall grade 2.5 or higher. At least 15 of these 60 hours must be UNM catalog credit courses taken in residence. It is strongly recommended that the students check the specific requirements for the health sciences degree program of interest at the 4 year institution of their choice before registering for courses in the degree program.

Rationale: Minimum credit hours revised to 60. Change in wording from UNM-LA to UNM catalog credit courses taken in residence.

General Education Requirements

Writing and Speaking: (6 Credit hours)

ENGL 110: Accelerated Composition (3)

or

ENGL 112: Composition II (3)

or

ENGL 113: Enhanced Composition (3)

ENGL 120: Composition III (3)

Mathematics and Statistics: (6 credit hours)

- MATH 120: Intermediate Algebra (3) or (Math 101, 102, and 103: Intermediate Algebra I, II, III)

And, select 1 course from:

- MATH 121: College Algebra (3) and MATH 107: Problem for MATH 121 (1)
- MATH 123: Trigonometry (3)
- MATH 150: Precalculus (3)
- MATH 180: Elements of Calculus I (3) and MATH 110: Problems for MATH 180 (1)
- MATH 162: Calculus I (4)*
- STAT 145: Introduction to Statistics (3)

General Education Requirements

Writing and Speaking: (9 credit hours)

ENGL 110: Accelerated Composition (3)

or

ENGL 112: Composition II (3)

or

ENGL 113: Enhanced Composition (3)

ENGL 120: Composition III (3)

ENGL 219: Technical Writing (3)

Rationale: Changes made to meet the required number (9) of general education credits in Writing and Speaking. The additional Writing and Speaking requirement that was previously listed under "Other" required credit hours has been moved here to meet the 9-credit requirement.

Mathematics and Statistics (minimum 3 credit hours)

Choose one of the following:

- MATH 121: College Algebra (3) and
- MATH 123: Trigonometry (3)
- MATH 150: Pre-calculus (3)
- MATH 180: Elements of Calculus I (3)*
- MATH 162: Calculus I (4)*
- STAT 145: Introduction to Statistics (3)

**Note: Math 180 has a prerequisite of Math 121 or Math 150, Math 162 has a prerequisite of Math 150 and Math 123*

Students should contact 4 year institution of their choice to check the specific mathematics

**Note: Math 180 has a prerequisite of Math 121 or Math 150, Math 162 has a prerequisite of Math 150 and Math 123*

Students should contact 4 year institution of their choice to check the specific mathematics requirements for the degree program of interest.

requirements for the degree program of interest.

Rationale: MATH 120 was removed because it is not considered a college-level math course. The reduced the number of required math credits to the correct general education requirement (3 credits).

Social And Behavioral Sciences (6 Credit Hours)

Select 2 courses from:

- PSY 105: General Psychology (3)
- PSY 220: Developmental Psychology (3)
- SOC 101: Introduction to Sociology (3)
- ECON 106: Introductory Microeconomics (3)

Social And Behavioral Sciences (6 Credit Hours)

Select any UNM Core Curriculum course in this area.

Students should contact 4 year institution of their choice to check any specific requirements in this area for the degree program of interest.

Rationale: Students can choose any of the courses in the UNM Core Curriculum in this area, but should check with their intended program for any recommendations in this area.

Humanities (6 Credit Hours)

Select any UNM Core Curriculum course in this area.

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Select any UNM Core Curriculum course in this area.

Students should contact 4 year institution of their choice to check any specific requirements in this area for the degree program of interest.

NO change in this text.

Foreign Language (3 Credit Hours)

Select any UNM Core Curriculum course in this area.

Students should contact 4 year institution of their choice to check any specific requirements in this area for the degree program of interest.

Rationale: this requirement was moved from the "Technical Core Requirements" section to the "General Education Requirements" section, as this is where it should be included.

	<p>Fine Arts (3 Credit Hours)</p> <p>Select any UNM Core Curriculum course in this area.</p> <p><i>Rationale: this requirement was moved from the "Technical Core Requirements" section to the "General Education Requirements" section, as this is where it should be included.</i></p>
<p>TOTAL GENERAL EDUCATION REQUIREMENTS (NOT INCLUDING SCIENCE) 24 CREDIT HOURS</p>	<p>TOTAL GENERAL EDUCATION REQUIREMENTS (NOT INCLUDING SCIENCE) 30 CREDIT HOURS</p> <p><i>Rationale: Changes made to meet the required number of general education credits</i></p>
<p>Technical Core Requirements</p>	<p>Technical Core Requirements</p>
<p>PHYSICAL/NATURAL SCIENCES (20 CREDIT HOURS)</p> <ul style="list-style-type: none"> • BIOL 227L: Human Anatomy and Physiology Laboratory I (1)* • BIOL 228L: Human Anatomy and Physiology Laboratory II (1)* • BIOL 237: Human Anatomy and Physiology I for the Health Sciences (3) • BIOL 238: Human Anatomy and Physiology II for the Health Sciences (3) <p><i>Select 3 or 4 additional courses (12 – 14 credit hours) from:</i></p> <ul style="list-style-type: none"> • BIOL 123: Biology for Health Related Sciences and Non-Majors (3) • BIOL 124L: Biology for Health Related Sciences and Non-Majors Lab (1) • BIOL 201: Molecular and Cell Biology (4) • BIOL 202: Genetics (4) • BIOL 239L: Microbiology for Health Sciences and Non-Majors (4) • CHEM 111L: Elements of General Chemistry (4) • CHEM 121: General Chemistry I (3) • CHEM 123L: General Chemistry I Laboratory (1) • CHEM 122: General Chemistry II (3) • CHEM 124L: General Chemistry II (1) • CHEM 212: Integrated Organic Chemistry and Biochemistry (4) • PHYC 151: General Physics (3) • PHYC 151L: General Physics Laboratory 	<p>Must Include the following 24 credit hours (24 credits):</p> <p>Mathematics and Statistics (4 credit hours) MATH 163: Calculus II (4)</p> <p><i>Note: MATH 181 may be substituted for MATH 163, but will only be accepted for some bachelor degrees in science (e.g. Biology)</i></p> <p>Physical and Natural Sciences: (20 Credit hours)</p> <p>CHEM 121/123L: General Chemistry I(3)/General Chemistry I Lab (1)</p> <p>CHEM 122/124L: General Chemistry II (3)/General Chemistry II Lab (1)</p> <p>PHYC 160: General Physics (3)</p> <p>PHYC 160L: General Physics Laboratory (1)</p> <p>PHYC 161: General Physics (3)</p> <p>PHYC 161L: General Physics Laboratory (1)</p>

(1)*

- PHYC 152: General Physics (3)
- PHYC 152L: General Physics Laboratory

(1)*

**Note: Lab may be omitted for some of medical programs, check with the advisor.*

And an additional 6 credit hours should be selected from (6 credits):

Math:

MATH 264: Calculus III (4)

Physical and Natural Sciences:

- BIOL 201: Molecular and Cell Biology (4)
- BIOL 202: Genetics (4)
- BIOL 203L: Ecology and Evolution (4)
- BIOL 204L: Plant and Animal Form and Function (4)
- CHEM 212: Integrated Organic Chemistry and BioChemistry (4)
- EPS 101: How the Earth Works—An Introduction to Geology (3)
- EPS 105L: Physical Geology Laboratory (1)
- EPS 201L: Earth History (4)
- ENVS 101: The Blue Planet (3)
- ENVS 102L: The Blue Planet Laboratory (2)
- PHYC 167: Problems in General Physics (1)
- PHYC 168: Problems in General Physics (1)
- PHYC 262: General Physics (3)
- PHYC 262L: General Physics Lab (1)

PHYC 267: Problems in General Physics (1)

Rationale: Changes made to meet the required number of credits (60). The Writing and Speaking Technical Core Requirements were moved to the General Education Writing and Speaking requirement. The Humanities Technical Core requirement was moved to fit in with the Humanities general education requirement.

Rather than having two separate lists of additional courses from which students must choose X number of credits, the lists were combined into one since the lists were identical

. The number of credits was edited to reflect the

requirement that the total number of credits add up to 60.

OTHER (19 CREDIT HOURS)

Courses selected from:

Physical/Natural Sciences

- BIOL 227L: Human Anatomy and Physiology Laboratory I (1)
- BIOL 228L: Human Anatomy and Physiology Laboratory II (1)
- BIOL 123: Biology for Health Related Sciences and Non-Majors (3)
- BIOL 124L: Biology for Health Related Sciences and Non-Majors Lab (1)
- BIOL 201: Molecular and Cell Biology (4)
- BIOL 202: Genetics (4)
- BIOL 239L: Microbiology for Health Sciences and Non-Majors (4)
- CHEM 111: Elements of General Chemistry (4)
- CHEM 121: General Chemistry I (3)
- CHEM 123L: General Chemistry I Laboratory (1)
- CHEM 122: General Chemistry II (3)
- CHEM 124L: General Chemistry II (1)
- CHEM 212: Integrated Organic Chemistry and Biochemistry (4)
- PHYC 151: General Physics (3)
- PHYC 151L: General Physics Laboratory (1)*
- PHYC 152: General Physics (3)
- PHYC 152L: General Physics Laboratory (1)*

Mathematics and Statistics

- MATH 121: College Algebra (3) and MATH 107: Problems for MATH 121 (1)
 - MATH 123: Trigonometry (3)
 - MATH 150: Precalculus (3)
 - MATH 180: Elements of Calculus I (3) and MATH 110: Problems for MATH 180 (1)
 - MATH 162: Calculus I (4)*
 - STAT 145: Introduction to Statistics (3)
 - MATH 129: A Survey of Mathematics (3)*
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- MATH 181: Elements of Calculus II (3)*

**Note: These courses emphasize critical thinking and problem-solving*

Computer Science

- CS 150L: Computing for Business Students (3)

Communication

- CJ 130: Public Speaking (3)
- CJ 221: Interpersonal Communication (3)

Nutrition

- NUTR 244: Human Nutrition (3)
- NUTR 120: Nutrition for Health (3)
- Foreign Language (maximum 3 credit hours)

Select 1 UNM Core Curriculum course in this area

Fine arts (maximum 3 credit hours)

Select 1 UNM Core Curriculum course in this area

Humanities (maximum 3 credit hours)

Select any one from the following if not already counted in your degree

- PHIL 101: Introduction to Philosophy [Introduction to Philosophical Problems] (3)*
- PHIL 102: Current Moral Problems (3)*
- PHIL 156: Reasoning and Critical Thinking (3)*

**Note: These emphasize courses critical thinking and problem-solving*

Writing and Speaking (maximum 3 credit hours)

Select any UNM Core Curriculum course in this area not already counted in your degree

Total Technical Core Requirements
39 Credit Hours

TOTAL CREDIT HOURS 63 CREDIT HOURS

Total Technical Core Requirements
30 Credit Hours

TOTAL CREDIT HOURS 60 CREDIT HOURS

Rationale: Minimum credit hours revised to 60.

Memorandum

To: Kay Willerton, Interim Dean of Instruction

From: Dennis Davies-Wilson, Library Director

Date: October 19, 2015

Re: Library support for revisions of AS Program in Pre-Professional Health Sciences Form C

Proposed changes will not impact the library's current level of support for the program.

**UNM-Los Alamos
Degree Program Change Proposal**

Associate of Science in Pre-Professional Health Sciences

The UNM-Los Alamos Curriculum Committee has approved the proposed changes associated with the degree program indicated above.

Dennis Davies-Wilson 10-30-15
Dennis Davies-Wilson, Chair Date