

## BACHELOR OF SCIENCE (BS) IN KINESIOLOGY PRE-PHYSICAL THERAPY EMPHASIS

### Disclaimer:

- This worksheet is intended for supplemental use only. The university will use your Degree Works (in my.usu.edu) to track your graduation requirements, including those for your major. Please continue to refer to Degree Works and your academic advisor for accuracy.
- Course deliveries and which semesters they are traditionally offered are subject to change.
- **Please note: Students are responsible to fully investigate and verify admission requirements, including prerequisite courses, for any graduate or professional programs they plan to apply to.**

### University Minimum Graduation Requirements:

- Total Credits: 120 earned credits minimum, 30 of these must be USU credits
- A GPA of 2.0 is required for courses taken at USU
- Total credits with C- or above: 100 credits minimum
- USU credits within the Major: 10 credits minimum
- Upper-Division credits (3000 level or above): 40 credits minimum,
- Upper-Division credits must be completed at USU: 20 credits minimum
- **Please note: A minimum of 72 of the 120 credits for the baccalaureate degree must carry the A, A-, B, B-, C+, C, C-, D+, D designation, unless the major department or college changes this limitation.**

### Major Related Requirements:

- Admission: 3.0 overall GPA required
- Graduation: 3.0 overall GPA required
- All courses required for the major require a letter grade (e.g., A, A-, B+, B, B-, etc.). **Pass/Fail grading is not permitted for the major courses, excluding KIN 4250.**

### General Education Requirements:

Breadth Requirement	Course	Credits
<input type="checkbox"/> Communications Literacy 1 (CL1)	ENGL 1010	3
<input type="checkbox"/> Communications Literacy 2 (CL2)	ENGL 2010	3
<input type="checkbox"/> Quantitative Literacy (QL)	See emphasis	3
<input type="checkbox"/> Breadth Creative Arts (BCA)		3
<input type="checkbox"/> Breadth Humanities (BHU)		3
<input type="checkbox"/> Breadth Life Sciences (BLS)		3
<input type="checkbox"/> Breadth Physical Sciences (BPS)	CHEM 1220	3
<input type="checkbox"/> Breadth Social Sciences (BSS)	PSY 1010	3
<input type="checkbox"/> Breadth American Institutions (BAI)		3
<input type="checkbox"/> Breadth Integrated Studies (BIS)	PHYS 2120	3

### Depth Education Requirements (University Studies)

Depth Requirement	Course	Credits
<input type="checkbox"/> Communications Intensive (CI)		3
<input type="checkbox"/> Communications Intensive (CI)		3
<input type="checkbox"/> Quantitative Intensive (QI)	KIN 4400/KIN 4200	3
<input type="checkbox"/> Depth Humanities/Creative Arts (DHA)		2
<input type="checkbox"/> Depth Social Sciences (DSS)		3

## BACHELOR OF SCIENCE (BS) IN KINESIOLOGY

### PRE-PHYSICAL THERAPY EMPHASIS

#### Emphasis in Pre-Physical Therapy

**75-78 credits total**

#### Prerequisite Required Courses: 15 credits

Courses	Semester	Credits
<input type="checkbox"/> BIOL 2320: Human Anatomy (lab included)	F, Sp, Su	4
<input type="checkbox"/> BIOL 2420: Human Physiology (lab included)	F, Sp, Su	4
<input type="checkbox"/> PSY 1010: General Psychology	F, Sp, Su	3
<input type="checkbox"/> Math 1050 (QL): College Algebra or ACT Math $\geq 26$ or equivalent SAT math score	F, Sp, Su	4

**\*BIOL 2420 Prerequisite(s):** One of the following: BIOL 1010, BIOL 1610, BIOL 2060, BIOL 2320, CHEM 1010, CHEM 1110, CHEM 1210, USU 1350; AP Biology or AP Chemistry with a score of 3 or higher.

**\*Math 1050 Prerequisite(s):** One of the following within the last year or three consecutive semesters (including summer): ACT Math score of at least 23 or equivalent SAT math score, AP Calculus AB score of at least 3, grade of C- or better in Math 995, or Satisfactory score on ALEKS Math Placement Exam.

**\*IMPORTANT:** AP Psychology scores may or may not apply to graduate programs, students must check with the individual programs they are interested in to verify.

#### Professional Foundation Required Courses: 30 credits

Courses	Semester	Credits
<input type="checkbox"/> KIN 2020: Intro to Physical Therapy	F, Su	2
<input type="checkbox"/> KIN 3000: Principles of Fitness or PE 3000: Dynamic Fitness (online)	F, Sp	3
<input type="checkbox"/> KIN 3100: Athletic Injuries	F, Sp, Su	3
<input type="checkbox"/> KIN 3250: Anatomical Kinesiology	F, Sp, Su	3
<input type="checkbox"/> KIN 4100: Exercise Physiology	F, Sp, Su	4
<input type="checkbox"/> KIN 4200 (QI): Biomechanics	F, Sp, Su	4
<input type="checkbox"/> KIN 4250: Advanced Cooperative Work Experience	F, Sp, Su	4
<input type="checkbox"/> KIN 4400 (QI): Measure Evaluation Kinesiology	F, Sp, Su	3
<input type="checkbox"/> KIN 5100: Fitness Assessment	F, Sp, Su	4

**\*KIN 3250 Prerequisite(s):** BIOL 2320

**\*KIN 4100 Prerequisite(s):** BIOL 2320, BIOL 2420, KIN 2000 or 2020, and MATH 1050 or higher or STAT 1040 or 1045 or ACT Math score 25 or higher or equivalent SAT Math score or AP Calculus AB score of 3 or higher.

**\*KIN 4200 Prerequisite(s):** BIOL 2320, BIOL 2420, KIN 3250, One of the following: Math 1050 or higher, STAT 1040 or 1045, ACT Math Score 25 or higher or equivalent SAT Math score or AP Calculus AB score of 3 or higher

**\*KIN 5100 Prerequisite(s):** KIN 4100

*\*prerequisites*

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## BACHELOR OF SCIENCE (BS) IN KINESIOLOGY

### PRE-PHYSICAL THERAPY EMPHASIS

**Professional Development Required Courses: 30-33 credits**

#### Biology: 4 credits

Choose one or more from the following options, totaling at least 4 credits:

BIOL 1610 & 1615:	Biology I and Lab	4 credits
BIOL 1620 (BLS) & 1625:	Biology II and Lab	4 credits
BIOL 2060:	Elementary Microbiology	3 credits
BIOL 3060 (QI):	Principles of Genetics	3 credits
BIOL 3300:	General Microbiology	4 credits

Course(s)	Credits
<input type="checkbox"/>	4

**\*BIOL 1620 & 1625 Prerequisite(s):** BIOL 1610 and BIOL 1615

**\*BIOL 2060 Prerequisite(s):** One of the following: USU 1350, BIOL 1010, BIOL 1610, BIOL 2320, BIOL 2420, CHEM 1010, CHEM 1110, CHEM 1210, HEAL 1500; AP Biology or Chemistry with a score of 3 or higher

**\*BIOL 3060 Prerequisite(s):** BIOL 1610, CHEM 1110 or CHEM 1210

**\*BIOL 3300 Prerequisite(s):** The following with a C- or better: BIOL 1610, BIOL 1615; And one of the following, which may be taken concurrently: CHEM 1120, CHEM 1220, CHEM 2300, CHEM 2310.

**\*IMPORTANT:** It is the student's responsibility to verify which biology courses are required for the particular graduate schools they are interested in. Some schools required both BIOL 1610/1615 and BIOL 1620/1625. Also, AP Biology scores may or may not apply to graduate programs, students must verify this too.

#### Chemistry: 10 credits

Complete all of the following, totaling 10 credits:

Courses	Credits
<input type="checkbox"/> CHEM 1210: Principles of Chemistry I	4
<input type="checkbox"/> CHEM 1215: Principles of Chemistry I Lab	1
<input type="checkbox"/> CHEM 1220 (BPS): Principles of Chemistry II	4
<input type="checkbox"/> CHEM 1225: Principles of Chemistry II Lab	1

**\*CHEM 1210 Prerequisite(s):** One of the following: Math ACT score of at least 25 or equivalent SAT Math score, AP Calculus AB score of 3 or higher or ALEKS Math Placement of 76 or higher or MATH 1050 or higher (may be taken concurrently), High School Chemistry Recommended.

**\*CHEM 1215 Prerequisite(s):** CHEM 1210 (may be taken concurrently)

**\*CHEM 1220 Prerequisite(s):** CHEM 1210

**\*CHEM 1225 Prerequisite(s):** CHEM 1220 (may be taken concurrently)

**\*IMPORTANT:** AP Chemistry scores may or may not apply to graduate programs, students must check with the individual programs they are interested in to verify.

#### Mathematics: 2-4 credits

Choose one from the following options:

MATH 1060:	Trigonometry	2 credits
MATH 1100 (QL):	Calculus Techniques	3 credits
MATH 1210 (QL):	Calculus I	4 credits

Course(s)	Credits
<input type="checkbox"/>	2-4

**\*MATH 1060 Prerequisite(s):** One of the following within the last year or three consecutive semesters (including summer): ACT Math score of at least 23 or equivalent SAT math score or AP Calculus AB score of at least 3 or Grade of C- or better in MATH 995 or MATH 1050 or Satisfactory score on the ALEKS Math Placement Exam.

*\*prerequisites*

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## BACHELOR OF SCIENCE (BS) IN KINESIOLOGY

### PRE-PHYSICAL THERAPY EMPHASIS

**\*MATH 1100 Prerequisite(s):** One of the following within the last year or three consecutive semesters (including summer): ACT Math score of at least 25 or equivalent SAT math score, AP Calculus AB score of at least 3, Grade of C- or better in MATH 1050, or satisfactory score on the ALEKS Math Placement Exam.

**\*MATH 1210 Prerequisite(s):** MATH 1050 and MATH 1060, both with a grade of C- or better (one of which must have been taken within the last year or three consecutive semesters, including summer). Or one of the following within the last year or three consecutive semesters (including summer): ACT Math score of at least 27 or equivalent SAT math score or Satisfactory score on the ALEKS Math Placement Exam.

**\*IMPORTANT:** AP Calculus scores may or may not apply to graduate programs, students must check with the individual programs they are interested in to verify.

#### Statistics: 3-4 credits

Choose one from the following options:

STAT 2000 (QI):	Statistical Methods	4 credits
STAT 2300 (QL):	Business Statistics	4 credits
STAT 3000 (QI):	Statistics for Scientists	3 credits

Course(s)	Credits
<input type="checkbox"/>	3-4

**\*STAT 2000 Prerequisite(s):** One of the following within the last year or three consecutive semesters (including summer): ACT Math score of at least 25 or equivalent SAT math score, grade of C- or better in MATH 1050 or MATH 1100 or Satisfactory score on the ALEKS Math Placement Exam.

**\*STAT 2300 Prerequisite(s):** One of the following within the last year or three consecutive semesters (including summer): ACT Math score of at least 25 or equivalent SAT math score, grade of C- or better in MATH 1050 or MATH 1100 or Satisfactory score on the ALEKS Math Placement exam.

**\*STAT 3000 Prerequisite(s):** C- or better in MATH 1100 or MATH 1210

#### Physics: 8 credits

Complete all of the following:

Courses	Credits
<input type="checkbox"/> PHYS 2110: General Physics – Life Sciences I (lab included)	4
<input type="checkbox"/> PHYS 2120 (BPS): General Physics – Life Sciences II (lab included)	4

**\*PHYS 2110 Prerequisite(s):** One of the following: MATH 1060, MATH 1100, or MATH 1210

**\*PHYS 2120 Prerequisite(s):** PHYS 2110 and one of the following: MATH 1060, MATH 1100 or MATH 1210

#### Psychology: 3 credits

Choose one from the following options:

PSY 2100:	Developmental Psychology: Adolescence	3 credits
PSY 2300:	Psychological Disorders	3 credits

Course(s)	Credits
<input type="checkbox"/>	3

**\*PSY 2100 Prerequisite(s):** PSY 1010

**\*PSY 2300 Prerequisite(s):** PSY 1010

**Note:** Some Physical Therapy (PT) or other graduate programs may require additional coursework for admission. Students can verify prerequisites for the particular program they are interested in here: [ptcas.org](http://ptcas.org) (physical therapy programs) or on individual program websites. Many, if not most, PT schools require many prerequisite Math and Science courses to be completed before applying to their program. The GRE is also a possible prerequisite for PT school, but will vary and is subject to change. It is strongly recommended for students to utilize the USU Health Professions Advising for additional guidance on preparing for health profession programs.