



California University of Pennsylvania

250 University Avenue
California, PA 15419-1394
www.cup.edu

OFFICE OF ARTICULATION AND TRANSFER EVALUATION

Building Character. Building Careers.

724-938-5939 | 724-938-4564 FAX

March 28, 2008

CCAC

ATTN: Frances K. Dice
College Office
800 Allegheny Avenue
Pittsburgh, PA 15233-1895

RE: TED Agreement

Dear Fran:

Enclosed is a fully executed agreement between California University of Pennsylvania and CCAC.

Sincerely,

Belinda L. Smith
Director, Articulation
and Transfer Evaluation

Enclosures

BLS/mas

Reprint Academic S/P 4-1-8

**COMMUNITY COLLEGE OF ALLEGHENY COUNTY
AND
CALIFORNIA UNIVERSITY OF PENNSYLVANIA
ARTICULATION AGREEMENT**

THIS AGREEMENT, dated this 1st day of March, 2008, is made by and between, the Community College of Allegheny County, hereinafter called, "CCAC", and California University of Pennsylvania, hereinafter called "CAL U".

CCAC and CAL U acknowledge their shared mission to provide quality higher education programs, which meet the needs of the region and provide a workforce of highly trained residents.

I. PURPOSE

The primary purpose of this Agreement is to enhance the transferability between CCAC's Associate of Science Degree Programs in Architectural Drafting and Design Technology, Civil Engineering Technology, Computer-Aided Drafting and Design Technology, Manufacturing Technology (Controls, Machining, Nanofabrication or Welding track), Mechanical Drafting and Design Technology, Microcomputer Electronics Technology, Robotics and Automated Systems Technology, or Science and Engineering Technology and CAL U's Bachelor of Science in Education with certification in Technology Education. A secondary purpose is to provide faculty and administration of both institutions with more precise guidelines for advising students interested in pursuing a Bachelor of Science in Education with certification in Technology Education.

Exhibit A, consisting of eleven (11) pages, attached hereto and incorporated herein, outlines the courses that will be accepted from CAL U. Exhibit B, consisting of twenty-two pages (22), attached hereto and incorporated herein, outlines the courses necessary for the Bachelor of Science in Education Degree with Certification in Technology Education from CAL U.


II. MUTUAL TERMS AND CONDITIONS

- A. Term of the Agreement.** This Agreement shall be in effect for five (5) years from the date of signature and will be reviewed annually for accuracy.
- B. Termination of the Agreement.** CCAC and CAL U may terminate this Agreement for any reason or no reason with ninety (90) days written notice from either party. Either party may terminate this Agreement in the event of a substantial breach. However, should either party terminate this Agreement, all students enrolled at that time may continue their educational experience until it would have been concluded absent the termination.
- C. Non-discrimination.** The parties agree to continue their respective policies of non-discrimination based on Title VI of the Civil Rights Act of 1964 in regard to sex, age, race, color, creed, national origin, Title IX of the Education Amendments of 1972 and other applicable laws, as well as the provisions of the Americans with Disabilities Act.


- D. Interpretation of the Agreement.** The laws of the Commonwealth of Pennsylvania shall govern this Agreement.
- E. Modification of Agreement.** This Agreement shall only be modified in writing with the same formality as the original Agreement.
- F. Relationship of Parties.** The relationship between the parties to this Agreement to each other is that of independent contractors. The relationship of the parties to this contract to each other shall not be construed to constitute a partnership, joint venture or any other relationship, other than that of independent contractors.
- G. Liability.** Neither of the parties shall assume any liabilities to each other. As to liability to each other or death to persons, or damages to property, the parties do not waive any defense as a result of entering into this contract. This provision shall not be construed to limit the Commonwealth's rights, claims or defenses which arise as a matter of law pursuant to any provisions of this contract. This provision shall not be construed to limit the sovereign immunity of CCAC or that of the Commonwealth, or the State System of Higher Education, or CAL U.
- H. Entire Agreement.** This Agreement represents the entire understanding between the parties. No other prior or contemporaneous oral or written understandings or promises exist in regards to this relationship. Any changes, corrections or additions to this contract shall be in writing in the form of a supplemental agreement signed by all necessary parties and setting forth therein the proposed change, correction, or addition.

IN WITNESS WHEREOF, the authorized representatives of the parties have executed this Agreement as of the date previously indicated.

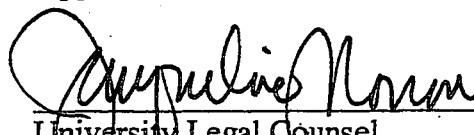
Community College of Allegheny County

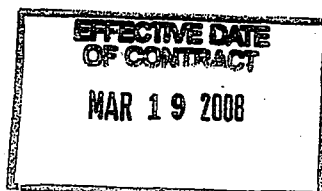

Dr. Michael Murphy
Interim President
Community College of Allegheny County

California University of Pennsylvania


Dr. Sean C. Madden, Provost and
Vice President for Academic Affairs
California University of Pennsylvania

Approved as to form and legality:


University Legal Counsel



ATTACHMENT A

CCAC

Architectural Drafting & Design		Cr	Cal U			Application at Cal U for		
			Cal U Equivalent		Cr	Technology Ed		Cr
First Semester								
EDD 101 Engineering Drawing I		3	ITE 110 Technical Drawing 1		3	use for TED 105		3
EDD 120 Intro to CAD		4	ITE 215 CAD 1		4	Technical Elective		4
EGR 100 Engineering Seminar		1	UNI 100 First Year Seminar		1	use for First Year Seminar		1
PHY 113 Technical Physics 1		3	PHY 121 General Physics I		3	use for Natural Science		3
MAT 114 Math for Technologies 1		4	College Algebra		4	use for Math		4
Second Semester								
EDD 102 Engineering Drawing 2		3	Technical Elective		3	Free Elective		3
EDD 121 CAD Applications		4	ITE 162 Industrial Tech Elective		4	Technical Elective		4
MAT 116 Math for Technologies 2		4	MAT 191 College Trig		4	use for Major Requirement		4
MET 115 Architectural Sys Design		3	Technical Elective		3			
Soc Sci Elect: PSY 101 Int to Psych		3	PSY 100 General Psychology		3	use for Soc Sci		3
Third Semester								
CET 201 Materials of Construction		3			3			
EDD 141 Structural Drafting		3	Technical Elective		3			
EDD 230 Architectural Drafting		4	Technical Elective		4			
ENG 101 English Composition 1		3	ENG 101 English Composition I		3	use for Comm Skills		3
MET 150 Statics		4	Technical Elective		4			
Fourth Semester								
EDD 245 Adv Engineering Draw		4	Technical Elective		4			
ENG 103 Technical Communications		3	ENG 217 Science & Tech Writing		3	sub for Eng Comp II		3
MET 211 Strength of Materials		4	ITE 325 Statics & Strengths		4	Technical Elective		4
Humanities - Literature requirement		3	HLC 162 Humanities Elective		3	use for Lit requirement		3
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Civil Engineering Technology	Cr	Cal U		Application at Cal U for	
		Cal U Equivalent	Cr	Technology Ed	Cr
First Semester					
EDD 101 Engineering Drawing 1	3	ITE 110 Technical Drawing I	3	use for TED 105	3
EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1	use for First Year Seminar	1
EGR 110 Engineering Surveying	4	TLC 162 Technology Elective	4	Technical Elective	4
MAT 114 Math for Technologies 1	4	MAT 181 College Algebra	4	use for Math	4
Engineering Elective	3	Technology Elective	3		
Second Semester					
EDD 120 Intro to CAD	4	ITE 215 CAD 1	4	Technical Elective	4
PHY 141 Physics 1	4	PHY 121 General Physics	4	use for Natural Science	4
MAT 116 Math for Technologies 2	4	MAT 191 College Trig	4	use for Major requirement	4
Engineering Elective	3	Technology Elective	3		
Engineering Elective	3	Technology Elective	3		
Third Semester					
ENG 101 English Comp 1	3	ENG 101 English Comp I	3	use for Comm Skills	3
CET 202 Soils in Construction	4	ELC 162 Free Elective	4	use for Free Elective	4
MET 150 Statics	4	TLC 162 Technology Elective	4		
PHY 142 Physics 2	4	PHY 122 General Physics 2	4	use for Natural Science	4
Soc Sci Elect: PSY 101 Int to Psych	3	PSY 100 General Psychology	3	use for Soc Sci	3
Fourth Semester					
CET 201 Mats of Construction OR	3	ELC 162 Free Elective OR	3		
CET 205 Bldg Constr & Steel Des	3	ELC 162 Free Elective	3		
ENG 102 English Comp 2	3	ENG 102 English Comp II	3	use for Comm Skills	3
MET 211 Strength of Materials	4	ITE 325 Statics & Strength	4	Technical Elective	4
Humanities	3	HLC 162 Humanities Elective	3	use for Humanities	3
Engineering Electives	3	Technology Elective	3		

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Computer-Aided Drafting & Design Technology	Cr	Cal U Cal U Equivalent	Cr	Application at Cal U for Technology Ed	Cr
First Semester					
EDD 101 Engineering Drawing 1	3	ITE 110 Technical Drawing 1	3	use for TED 105	3
EDD 120 Intro to CAD	4	ITE 215 CAD I	4	Technical Elective	4
EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1	use for First Year Seminar	1
ENG 101 English Comp 1	3	ENG 101 English Comp 1	3	use for Comm Skills	3
MAT 114 Math for Technologies 1	4	MAT 181 College Algebra	4	use for Math	4
Second Semester					
EDD 102 Engineering Drawing 2	3	ITE 210 Technical Drawing 2	3	Technical Elective	3
EDD 121 CAD Applications	4	ITE 162 Indust Tech Elective	4		
ENG 103 Technical Commun	3	ENG 217 Science & Tech Writing	3	sub for ENG 102	3
MAT 116 Math for Technologies 2	4	MAT 191 College Trig	4	use for Major requirement	4
SET 105 Technical Computing	3	CSC 120 Prob Solv/Prg Const	3	Free Elective	3
Third Semester					
EDD 130 Solid Modeling Techn	3	ITE 162 Indus Tech Elective	3		
EDD 222 Customizing the CAD env	3	TLC 162 Technology Elective	3		
EDD Adv Drafting Elective	3	TLC 162 Technology Elective	3		
PHY 113 Technical Physics 1	3	PHY 121 General Physics I	3	use for Natural Science	3
EDD 135 Intro to Parmetric Mod 1	3	TLC 162 Technology Elective	3		
Fourth Semester					
EDD 221 Parmetric Mod 2	3	ITE 215 CAD I	3	Technical Elective	3
Humanities - Literature Course	3	HLC 162 Humanities Elective	3	use for Lit requirement	3
Social Science - take PSY 101 Intro	3	PSY 100 General Psychology	3	use for Soc Sci	3
Technical Elective	3	Technical Elective	3		
Technical Elective	3	Technical Elective	3		

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Manufacturing Technology Controls		Cal U		Application at Cal U for Technology Ed	
	Cr	Cal U Equivalent	Cr		Cr
First Semester					
EET 103 Intro to Electronics	3	ITE 130 Intro Circuit Analysis	3	Technical Elective	3
MAT 114 Math for the Techno 1	4	MAT 181 College Algebra	4	use for Math	4
SET 105 Technical Computing	3	TLC 164 Technology Elective	3	Technical Elective	3
EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1	use for First Year Seminar	1
EDD 101 Engineering Drawing 1	3	ITE 110 Technical Drawing I	3	use for TED 105	3
ENG 101 English Comp I	3	ENG 101 English Comp I	3	use for Comm Skills	3
Second Semester					
EDD 120 Intro to CAD	4	ITE 215 CAD I	4	Technical Elective	4
MAT 116 Math for the Techno 2	4	MAT 191 College Trig	4	use for Major requirement	4
MET 112 Engineering Materials	4	PHS 135 Chem of Materials	4	use for Natural Science	4
ENG 103 Technical Communic	3	ENG 217 Science & Tech Writing	3	sub for Comp II	3
MIT 107 Electronic Fabrication	3	TLC 164 Technology Elective Lab	3		
Third Semester					
MET 200 Metrology	3	TLC 162 Technology Elective	3		
MET 106 Geometric Dimen & Toler	1	ELC 162 Free Elective	1		
PHY 113 Technical Physics 1	3	PHY 121 General Physics I	3	use for Natural Science	3
MIT 103 Fund of Microprocessors	3	ELC 162 Free Elective	3	Free Elective	3
RBT 235 Programmable Logic Cont	4	ITE 267 Program Control Systems	4		
Fourth Semester					
MET 212 Manufact Processes	3	TLC 162 Technology Elective	3		
RBT 225 Robotic Controls	4	TLC 162 Technology Elective	4	sub for ITE 250	4
EDD 135 Intro to Parametric Mod	3	TLC 162 Technology Elective	3		
Humanities - Literature	3	HLC 162 Humanities Elective	3	use for Lit requirement	3
Social Science - PSY 101 Intro to Ps	3	PSY 100 General Psychology	3	use for Soc Sci	3

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Manufacturing Technology	Cr
Machining	
First Semester	
EET 103 Intro to Electronics	3
MAT 114 Math for the Techno 1	4
SET 105 Technical Computing	3
MFT 141 Intro to Machining	3
EGR 100 Engineering Seminar	1
ENG 101 English Comp I	3
Second Semester	
EDD 120 Intro to CAD	4
MAT 116 Math for the Techno 2	4
EDD 101 Engineering Drawing 1	3
MFT 143 Intro to Lathe	3
Third Semester	
MET 200 Metrology	3
MET 106 Geometric Dimen & Toler	1
PHY 113 Technical Physics 1	3
MFT 145 Intro to Milling	3
MFT 147 Intro to Grinding	3
Social Science - take PSY 101 Intro to	3
Fourth Semester	
MFT 149 Intro to CNC	3
MET 112 Engineering Materials	4
EDD 135 Intro to Parametric Mod	3
Humanities - Literature course	3
ENG 103 Technical Communications	3

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Cal U	Cr
Cal U Equivalent	
First Semester	
ITE 130 Intro Circuit Analysis	3
MAT 181 College Algebra	4
CSC 120 Prob Solv/Prog Cons	3
ITE 165 Maching Processing I	3
UNI 100 First Year Seminar	1
ENG 101 English Comp I	3
Second Semester	
ITE 215 CAD I	4
MAT 191 College Trig	4
ITE 110 Technical Drawing I	3
TLC 162 Technical Elective	3
Third Semester	
TLC 162 Technology Elective	3
ELC 162 Free Elective	1
PHY 121 General Physics I	3
TLC 162 Technology Elective	3
TLC 162 Technology Elective	3
PSY 100 General Psychology	3
Fourth Semester	
ITE 236 Numerical Controls	3
PHS 135 Chemical of Materials	4
TLC 162 Technology Elective	3
HLC Humanities Elective	3
ENG 217 Sci and Tech Writing	3

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Application at Cal U for	Cr
Technology Ed	
Technical Elective	3
use for Math	4
Free Elective	3
Technical Elective	3
use for First Year Seminar	1
use for Comm Skills	3
Second Semester	
use for TED 105	4
use for Major requirement	4
Technical Elective	3
Third Semester	
use for Natural Science	3
Fourth Semester	
use for Soc Sci	3
Fourth Semester	
use for Natural Science	4
use for Lit requirement	3
sub for ENG 102	3

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Manufacturing Technology Nanofabrication	Cr
First Semester	
EET 103 Intro to Electronics	3
EGR 100 Engineering Seminar	1
ENG 101 English Comp I	3
MAT 114 Math for the Techno 1	4
SET 105 Technical Computing	3
Second Semester	
CHM 109 Intro to Chemistry	4
ENG 103 Technical Commun	3
MAT 116 Math for the Techno 2	4
MIT 107 Electronic Fabrication	3
PHY 113 Technical Physics 1	3
Third Semester	
MET 106 Geometric Dimen & Toler	1
MET 112 Engineering Materials	4
MET 200 Metrology	3
PHY 114 Technical Physics 2	3
Social Science - take PSY 101 Intro	3
Fourth Semester	
MFT 211 Material Safety & Equip	3
MFT 212 Basic Nanofabric Proc	3
MFT 213 Thin Films in Nanofabric	3
MFT 214 Lithography for Nanofabric	3
MFT 215 Material Modification	3
MFT 216 Characterization & Packag	3

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Cal U Cal U Equivalent	Cr
First Semester	
ITE 130 Intro Circuit Analysis	3
UNI 100 First Year Seminar	1
ENG 101 English Comp I	3
MAT 181 College Algebra	4
CSC 120 Prob Solv/Prog Cons	3
Second Semester	
CHE 100 Intro to Chemistry	4
ENG 217 Science & Tech Writing	3
MAT 191 College Trig	4
TLC 164 Technology Elective	3
PHY 121 General Physics	3
Third Semester	
ELC 162 Free Elective	1
PHS 135 Chem of Materials	4
TLC 162 Technology Elective	3
PHY 121 General Physics II	3
PSY 100 General Psychology	3
Fourth Semester	
NMT 311 Mat, Safety & Equip in NM	3
NMT 312 Basic NMT Process	3
NMT 313 Thin Films in NMT	3
NMT 314 Adv Lith & Dielectrics	3
NMT 315 Materials Modific in NMT	3
NMT 316 Charac Packg Test NMT	3

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Application at Cal U for Technology Ed	Cr
First Semester	
Technical Elective	3
use for First Year Seminar	1
use for Comm Skills	3
use for Math	4
Free Elective	3
Second Semester	
Sub ENG 217 for Comp 2	3
use for Major requirement	4
Third Semester	
Natural Science	3
Fourth Semester	
Natural Science	4
use for Soc Sci	3

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Manufacturing Technology	Cr
Welding	
First Semester	
EET 103 Intro to Electronics	3
MAT 114 Math for the Techno 1	4
SET 105 Technical Computing	3
EGR 100 Engineering Seminar	1
WLD 101 Welding Fundamentals	3
ENG 101 English Comp I	3
Second Semester	
EDD 120 Intro to CAD	4
MAT 116 Math for the Techno 2	4
EDD 101 Engineering Drawing 1	3
WLD 102 Advanced Welding	3
Third Semester	
MET 200 Metrology	3
MET 106 Geometric Dimen & Toler	1
PHY 113 Technical Physics 1	3
MET 112 Engineering Materials	4
WLD 201 Prep for Welding Cert	3
Social Science - Intro to Psychology	3
Fourth Semester	
WLD 202 MIG & TIG	3
MIT 212 Engineering Materials	4
EDD 135 Intro to Parametric Mod	3
Humanities - Literature	3
ENG 103 Technical Communications	3

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Cal U	Cr
Cal U Equivalent	
ITE 130 Intro Circuit Analysis	3
MAT 181 College Algebra	4
CSC 120 Prob Solv/Prg Const	3
UNI 100 First Year Seminar	1
Free Elective	3
ENG 101 English Comp I	3
ITE 215 CAD I	4
MAT 191 College Trig	4
ITE 110 Technical Drawing I	3
ELC 162 Free Elective	3
TLC 162 Technology Elective	3
ELC 162 Free Elective	1
PHY 121 General Physics I	3
PHS 135 Chem of Materials	4
ELC 162 Free Elective	3
PSY 100 General Psychology	3
ELC 162 Free Elective	3
TLC 162 Technology Elective	4
TLC 162 Technology Elective	3
HLC 162 Humanities Elective	3
ENG 217 Sci & Tech Writing	3

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Application at Cal U for	Cr
Technology Ed	
Technical Elective	3
use for Math	4
use for First Year Seminar	1
Free Elective	3
use for Comm Skills	3
use for TED 105	4
use for Major requirement	4
Technical Elective	3
Technical Elective	3
use for Natural Science	3
use for Natural Science	4
use for Soc Sci	3
use for Lit requirement	3
sub for Eng Comp II	3

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Mechanical Drafting and Design Technology	Cr
First Semester	
EDD 101 Engineering Drawing I	3
EDD 120 Introduction to CAD	4
EGR 100 Engineering Seminar	1
MAT 114 Math for Technologies 1	4
SET 105 Technical Computing	3
PHY 113 Technical Physics 1	3
Second Semester	
EDD 102 Engineering Drawing 2	3
EDD 121 CAD Applications	4
EDD 135 Intro to Parametric Modl	3
MAT 116 Math for Technologies 2	4
MET 112 Engineering Materials	4
Third Semester	
EDD 240 Mechanical Drafting	4
ENG 101 English Comp 1	3
MET 106 Geometric Dimens/Toler	1
MET 150 Statics	4
Social Science - take PSY 101 Intro	3
Fourth Semester	
EDD 245 Adv Engineering Draw	4
ENG 103 Technical Communications	3
MET 211 Strength of Materials	4
PHY 114 Technical Physics 2	3
Humanities - Literature	3

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Cal U Cal U Equivalent	Cr
ITE 110 Technical Drawing 1	3
ITE 215 CAD 1	4
UNI 100 First Year Seminar	1
MAT 181 College Algebra	4
CSC 120 Prob Solv/Prg Const	3
PHY 121 General Physics I	3
ITE 210 Technical Drawing 2	3
ITE 162 Industrial Tech Elective	4
TLC 162 Technical Elective	3
MAT 191 College Trig	4
PHS 135 Chemisty of Materials	4
ITE 162 Industrial Tech Elective	4
ENG 101 English Comp 1	3
ELC 162 Free Elective	1
TLC 162 Statics & Strength	4
PSY 100 General Psychology	3
TLC 162 Technical Elective	4
ENG 217 Science & Tech Writing	3
ITE 325 Statics & Strengths	4
Technical Elective	3
HLC 162 Humanities Elective	3

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Application at Cal U for Technology Ed	Cr
use for TED 105	3
Technical Elective	4
use for First Year Seminar	1
use for Math	4
Free Elective	3
use for Natural Science	3
use for Major requirement	4
use for Natural Science	4
use for Comm Skills	3
Technical Elective	4
use for Soc Sci	3
sub for Comp II	3
Technical Elective	4
Literature requirement	3

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Microcomputer Electronics Technology	Cr
First Semester	
EET 103 Intro to Electronics	3
EGR 100 Engineering Seminar	1
ENG 101 English Comp I	3
MAT 114 Math for the Techno 1	4
PHY 113 Technical Physics 1	3
SET 105 Technical Computing	3
Second Semester	
MAT 116 Math for the Techno 2	4
MIT 103 Fundamentals of Microproc	3
MIT 110 Electrical Engineering Circu	4
MIT 208 Digital Electronics	3
PHY 114 Technical Physics 2	3
Third Semester	
EET 201 Electronics 1	4
MIT 201 Microcomuter Technology 1	4
MIT 210 Electrical Engineering Circu	4
Social Science - take PSY 101 Intro	3
Fourth Semester	
ENG 106 Report Writing	3
MIT 202 Microcomputer Tech 2	4
Technical Elective	3
Technical Elective	3
Humanities - Literature	3

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Cal U	Cr
Cal U Equivalent	
ITE 130 Intro Circuit Analysis	3
UNI 100 First Year Seminar	1
ENG 101 English Comp I	3
MAT 181 College Algebra	4
PHY 121 General Physics 1	3
CSC 120 Probl Solv/Prog Const	3
Second Semester	
MAT 191 College Trig	4
EET 270 Intro Microprocess Design	3
EET 110 DC Circuits	4
EET 170 Digital Electr Des	3
PHY 122 General Physics 2	3
Third Semester	
EET 210 Linear Electronics I	4
CSC 162 Computer Transfer Cours	4
EET 160 AC Circuits	4
PSY 100 General Psychology	3
Fourth Semester	
ENG 162 English Elective	3
TLC 162 Technology Elective	4
Technical Elective	3
Technical Elective	3
HLC 162 Humanities Elective	3

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Application at Cal U for Technology Ed	Cr
use for First Year Seminar	1
use for Comm Skills	3
use for Math	4
Natural Science	3
Free Elective	3
use for Major requirement	4
use for Natural Science	3
use for Soc Sci	3
sub for Comp II	3
Technical Elective	3
Technical Elective	3
use for Lit requirement	3

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Robotics and Automated Systems Technology	Cr
First Semester	
EET 103 Introduction to Electronics	3
EGR 100 Engineering Seminar	1
ENG 101 English Composition 1	3
MAT 114 Mathematics for Techn 1	4
PHY 113 Technical Physics 1	3
SET 105 Technical Computing	3
Second Semester	
MAT 116 Mathematics for Techn 2	4
MET 112 Engineering Materials	4
MIT 208 Digital Electronics	3
PHY 114 Technical Physics 2	3
RBT 225 Robotics Control Systems	4
Third Semester	
MET 170 Fluid Power Systems	4
MIT 103 Fundamentals of Microproc	3
RBT 235 Programmable Logic Contr	4
Technical Elective	3
Social Science - take PSY 101 Intro	3
Fourth Semester	
ENG 106 Report Writing	3
RBT 230 Automated Equipment	3
Humanities - Literature	3
Technical Elective	3
Technical Elective	3

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Cal U	Cr
Cal U Equivalent	
ITE 130 Intro Circuit Analysis	3
UNI 100 First Year Seminar	1
ENG 101 English Comp I	3
MAT 181 College Algebra	4
PHY 121 General Physics I	3
CSC 120 Prob Solv/Prog Cons	3
MAT 191 College Trig	4
PHS 135 Chem of Materials	4
EET 170 Digital Electr Design	3
PHY 122 General Physics II	3
TLC 162 Technology Elective	4
TLC 162 Technology Elective	4
EET 270 Intro Microprocess Des	3
ITE 267 Prog Control Systems	4
Technical Elective	3
PSY 100 General Psychology	3
ENG 162 English Transfer Course	3
TLC 162 Technology Elective	3
HLC 162 Humanities Elective	3
Technology Elective	3
Technology Elective	3

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Application at Cal U for Technology Ed	Cr
Technical Elective	3
use for First Year Seminar	1
use for Comm Skills	3
use for Math	4
use for Natural Science	3
Free Elective	3
use for Major requirement	4
use for Natural Science	3
Technical Elective	4
Technical Elective	4
use for Soc Sci	3
sub English Comp 2	3
use for Lit requirement	3

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Science and Engineering Technology	Cr
First Semester	
CHM 109 Intro to Chemistry	4
EGR 100 Engineering Seminar	1
ENG 101 English Comp I	3
MAT 114 Math for the Techn 1	4
SET 105 Technical Computing	3
Second Semester	
EDD 101 Engineering Drawing 1	3
EET 103 Intro to Electronics	3
MAT 116 Mathem for Techn 2	4
ENG 102 English Composition 2	3
OR ENG 106 Report Writing	
Humanities	3
Third Semester	
EDD 120 Intro to CAD	4
MET 112 Engineering Materials	4
MIT 208 Digital Electronics	3
PHY 113 Technical Physics 1	3
Soc Sci: PSY 101 Int to Psych	3
Fourth Semester	
MAT 241 Technical Calculus 1	3
MIT 240 Scientific & Indust Instrume	3
PHY 114 Technical Physics 2	3
SET 110 Project Fabrication	3
Technical Elective	3

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Cal U	Cr
Cal U Equivalent	
CHE 100 Intro to Chemistry	4
UNI First Year Seminar	1
ENG 101 English Comp I	3
MAT 181 College Algebra	4
CSC 120 Prob Slv/Prog Constr	3
ITE 110 Technical Drawing I	3
ITE 130 Intro Circuit Analysis	3
MAT 191 College Trig	4
ENG 102 English Composition 2	3
OR ENG 162 English Elective	
HLC 162 Humanities Elective	3
ITE 215 CAD I	4
TED 226 Applic & Process Mater	4
EET 235 Digital Electr Design	3
PHY 121 General Physics	3
PSY 100 General Psychology	3
MAT 281 Calculus I	3
EET 325 Intro Electric Power	3
PHY 122 General Physics 2	3
TLC 162 Technical Elective	3
Technical Elective	3

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Application at Cal U for Technology Ed	Cr
use for Natural Science	4
use for First Year Seminar	1
use for Comm Skills	3
use for Math	4
Free Elective	3
use for TED 105	3
Technical Elective	3
use for Major requirement	4
use for Comm Skills	3
sub for ENG 102	
use for Humanities	3
Technical Elective	4
use for TED 226	4
use for Natural Science	3
use for Soc Sci	3
Technical Elective	3

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ATTACHMENT B

California University of Pennsylvania
College of Education and Human Services
Applied Engineering and Technology Department

Arch Draft & Design to Technology Education - Bachelor of Science in Education (120 credits)

Name: _____ Entry: _____ ID: _____
 Email: _____ Phone: _____

GENERAL EDUCATION (50-51 Credits):

Building a Sense of Community - 1 credit

EGR 100	Engineering Seminar	1	CCAC
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Critical Thinking Skills - 3 credits

TED 426	Manufacturing Enterprise*	3	Cal U
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Communication Skills - 6 credits

ENG 101	Composition I *	3	CCAC
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ENG 103	Technical Communications	3	CCAC
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Public Speaking - 3 credits

		3	Cal U
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Mathematics - 3 credits

MAT 114	Math for Technologies 1	4	CCAC
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Natural Sciences - 7-8 credits**

PHY 113	Tech Physics 1	3	CCAC
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	SCIENCE	3-4	Cal U
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Social Sciences - 6 credits

PSY 101	Intro to Psychology	3	CCAC
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PSY 208	Educational Psychology*	3	Cal U
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Humanities - 3 credits

	Humanities - Literature	3	CCAC
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Fine Arts - 3 credits

		3	Cal U
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Multicultural Awareness - 3 credits

EDU 310	Teaching in a Multicultural Society *	3	Cal U
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Values - 3 credits

TED 210	Design & Appropriate Technology *	3	Cal U
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Technological Literacy - 6 credits

TED 302	Energy & Control Systems *	3	Cal U
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TED 316	Structural Design *	3	Cal U
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Health & Wellness - 3 credits

HPE 314	First Aid & Personal Safety *	3	Cal U
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Writing Component Courses - 2 courses

ED 450 and TED 451 listed below in the Professional Preparation block are designated Upper-Division Writing Component Courses.

PROFESSIONAL PREPARATION (28 Credits)

EDU 340	Mainstreaming Exceptional Learners	3	Cal U
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TED 100	Introduction to Technology Education	3	Cal U
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TED 300	Assessment & Instruction in TED	3	Cal U
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TED 450	Teach Technology in Secondary Sch	3	Cal U
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TED 451	Teach Technology in Elementary Sch	3	Cal U
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TED 451	Technology Education Student Teach	10	Cal U
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TE 452	Professional Practices in TED	3	Cal U
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MAJOR (39 Credits)

Required Courses:

ITE 250	Introduction to Automation	3	Cal U
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MAT 116	Math for Technologies 2	4	CCAC
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EDD 101	Engineering Drawing 1	3	CCAC
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TED 111	Information Systems	3	Cal U
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TED 126	Engineering Materials & Product Design	3	Cal U
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TED 226	Apps. & Processing of Engineering Materials	3	Cal U
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TED 304	Designs in Bio-Related Technology	3	Cal U
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TED 335	Transportation Systems	3	Cal U
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TED 346	Digital Communications	3	Cal U
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TED 436	Engineering Design & Development	3	Cal U
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Technical/Technological Electives - 9 credits

EDD 120	Intro to CAD	4	CCAC
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EDD 121	CAD Applications	4	CCAC
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MET 211	Strength of Materials	4	CCAC
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ELECTIVE (3 Credits)

EDD 102	Engineering Drawing 2	3	CCAC
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Approved Technical/Technological Electives:

COM 141, 142, 241, 242, THE 141, CSC 120 or above
 Any CET, EET, GCT, GET, ITE, MMT or TED course not already required by the major, or any other courses approved by the advisor

*Required courses that must be completed.

**Natural Science: Complete one 4-credit LAB and one LAB or SCIENCE.

LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121

SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 137

Admission to Teacher Education - must be approved at 48 - 65 credits

2.80 GPA overall

C or better grades in 6 credits of math

C or better grades in 6 credits of composition/English literature

C or better grade in TED 100

Speech and hearing test

Document Act 34, Act 114 and Act 151 clearances

Pass Praxis exams in Reading, Writing, Math

Recommendation for Student Teaching - required 1 semester prior

Due Jun. 1 for Fall, Nov. 1 for Spring

3.00 GPA overall (at time of application & start of student teaching)

C or better grade in each TED course

TB test

Pass Praxis II TED exam and Fundamental Subjects exam

Current Act 34, 114 & 151 clearances, valid thru student teaching

\$1 million liability insurance policy

EXTRA COURSES

ELC 162 Free Electives

21 CCAC

College of Education and Human Services
Technology Education
Bachelor of Science in Education Degree (123 credits)
Eight Semester Course Sequence

FRESHMAN Semester 1

Prefix	Number	Course	Cr.
ENG	101	English Composition I	3
MAT	181	College Algebra	3
TED	105	Communicating Technical Designs	3
TED	100	Intro to Technology Education	3
TED	126	Engineer. Materials & Prod. Design	3
UNI	100	First Year Seminar	1
Total			16

Semester 2

Prefix	Number	Course	Cr.
ENG	102	English Composition II	3
MAT	191	College Trigonometry	3
TED	111	Information Systems	3
TED	226	Apps. & Process Engineer. Mats.	3
TED	210	Design & Appropriate Technology	3
Total			15

SOPHOMORE Semester 3*

Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3
PSY	100	General Psychology	3
		General Education	9
Total			15

Semester 4**

Prefix	Number	Course	Cr.
EDU	310	Teaching In Multicultural Society	3
PSY	208	Educational Psychology	3
TED	300	Assessment & Instruction in TED	3
		General Education	7
Total			16

*Praxis exams should be taken during or immediately following the third semester.

**Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR Semester 5

Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3
TED	302	Energy & Control Systems	3
TED	316	Structural Design	3
TED	335	Transportation Systems	3
		Technical/Technological Elective	3
Total			15

Semester 6

Prefix	Number	Course	Cr.
HPE	314	First Aid & Personal Safety	3
TED	304	Designs in Bio-Related Tech	3
TED	346	Digital Communications	3
		General Education	3
		Technical/Technological Elective	3
Total			15

SENIOR Semester 7

Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3
TED	436	Engineering Design & Develop	3
TED	450	Teach. Tech-Secondary Sch	3
TED	500	Teach. Tech-Elementary Sch	3
		Technical/Technological Elective	3
Total			15

Semester 8

Prefix	Number	Course	Cr.
TED	461	Technology Education Stud Teach	10
TED	462	Prof Practices in Tech Ed	3
Total			13

Total = 120 Credit Hours (BS Degree)

California University of Pennsylvania
College of Education and Human Services
Applied Engineering and Technology Department
Civil Engineering - Technology Education - Bachelor of Science in Education (120 credits)

Name: _____ Entry: _____ ID: _____
 Email: _____ Phone: _____

GENERAL EDUCATION (50-51 Credits): Crs Grade

Building a Sense of Community - 1 credit

EGR 100 Engineering Seminar 1 CCAC

Critical Thinking Skills - 3 credits

TED 426 Manufacturing Enterprise* 3 Cal U

Communication Skills - 6 credits

ENG 101 Composition I * 3 CCAC

ENG 102 Composition II * 3 CCAC

Public Speaking - 3 credits

_____ 3 Cal U

Mathematics - 3 credits

MAT 114 Math for the Technologies 1 4 CCAC

Natural Sciences - 7-8 credits**

PHY 141 Physics 1 4 CCAC

PHY 142 Physics 2 4 CCAC

Social Sciences - 6 credits

PSY 101 Intro to Psychology * 3 CCAC

PSY 208 Educational Psychology* 3 Cal U

Humanities - 3 credits

Any Humanities Elective 3 CCAC

Fine Arts - 3 credits

_____ 3 Cal U

Multicultural Awareness - 3 credits

EDU 310 Teaching in a Multicultural Society * 3 Cal U

Values - 3 credits

TED 210 Design & Appropriate Technology * 3 Cal U

Technological Literacy - 6 credits

TED 302 Energy & Control Systems * 3 Cal U

TED 316 Structural Design * 3 Cal U

Health & Wellness - 3 credits

HPE 314 First Aid & Personal Safety * 3 Cal U

Writing Component Courses - 2 courses

TED 450 and TED 451 listed below in the Professional Preparation block are designated Upper-Division Writing Component Courses.

PROFESSIONAL PREPARATION (28 Credits)

EDU 340 Mainstreaming Exceptional Learners 3 Cal U

TED 100 Introduction to Technology Education 3 Cal U

TED 300 Assessment & Instruction in TED 3 Cal U

TED 450 Teach Technology in Secondary Sch 3 Cal U

TED 451 Teach Technology in Elementary Sch 3 Cal U

TED 461 Technology Education Student Teach 10 Cal U

TED 462 Professional Practices in TED 3 Cal U

MAJOR (39 Credits)

Required Courses:

ITE 250 Introduction to Automation 3 Cal U

MAT 116 Math for the Technologies 2 4 CCAC

EDD 101 Engineering Drawing 1 3 CCAC

TED 111 Information Systems 3 Cal U

TED 126 Engineering Materials & Product Design 3 Cal U

TED 226 Apps. & Processing of Engineering Materials 3 Cal U

TED 304 Designs in Bio-Related Technology 3 Cal U

TED 335 Transportation Systems 3 Cal U

TED 346 Digital Communications 3 Cal U

TED 436 Engineering Design & Development 3 Cal U

Technical/Technological Electives - 9 credits

EGR 110 Engineering Surveying 4 CCAC

EDD 120 Intro to CAD 4 CCAC

MET 211 Strength of Materials 4 CCAC

ELECTIVE (3 Credits)

CET 202 Soils in Construction 4 CCAC

Approved Technical/Technological Electives:

COM 141, 142, 241, 242, THE 141, CSC 120 or above

Any CET, EET, GCT, GET, ITE, MMT or TED course not already required by the major, or any other courses approved by the advisor

*Required courses that must be completed.

**Natural Science: Complete one 4-credit LAB and one LAB or SCIENCE.

LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121

SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 137

Admission to Teacher Education - must be approved at 48 - 65 credits

2.80 GPA overall

C or better grades in 6 credits of math

C or better grades in 6 credits of composition/English literature

C or better grade in TED 100

Speech and hearing test

Document Act 34, Act 114 and Act 151 clearances

Pass Praxis exams in Reading, Writing, Math

Recommendation for Student Teaching - required 1 semester prior

Due Jun. 1 for Fall, Nov. 1 for Spring

3.00 GPA overall (at time of application & start of student teaching)

C or better grade in each TED course

TB test

Pass Praxis II TED exam and Fundamental Subjects exam

Current Act 34, 114 & 151 clearances, valid thru student teaching

\$1 million liability insurance policy

EXTRA COURSES

ELC 162 Free Electives

19 CCAC

TED BS SP07

College of Education and Human Services
Technology Education
Bachelor of Science in Education Degree (123 credits)
Eight Semester Course Sequence

FRESHMAN Semester 1				Semester 2			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ENG	101	English Composition I	3	ENG	102	English Composition II	3
MAT	181	College Algebra	3	MAT	191	College Trigonometry	3
TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3
TED	100	Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3
TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3
UNI	100	First Year Seminar	1				
			Total				Total
			16				15

SOPHOMORE Semester 3*				Semester 4**			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3	EDU	310	Teaching in Multicultural Society	3
PSY	100	General Psychology	3	PSY	208	Educational Psychology	3
		General Education	9	TED	300	Assessment & Instruction in TED	3
						General Education	7
			Total				Total
			15				16

*Praxis exams should be taken during or immediately following the third semester.

**Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR Semester 5				Semester 6			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
TED	316	Structural Design	3	TED	346	Digital Communications	3
TED	335	Transportation Systems	3			General Education	3
		Technical/Technological Elective	3			Technical/Technological Elective	3
			Total				Total
			15				15

SENIOR Semester 7				Semester 8			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TED	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
TED	450	Teach. Tech-Secondary Sch	3				
TED	500	Teach. Tech-Elementary Sch	3				
		Technical/Technological Elective	3				
			Total				Total
			15				13

Total = 120 Credit Hours (BS Degree)

California University of Pennsylvania
College of Education and Human Services
Applied Engineering and Technology Department
CADD to Technology Education - Bachelor of Science in Education (120 credits)

Name: _____ Entry: _____ ID: _____
Email: _____ Phone: _____

GENERAL EDUCATION (50-51 Credits): Crs Grade **MAJOR (39 Credits)**

Building a Sense of Community - 1 credit

EGR 100 Engineering Seminar 1 CCAC

Critical Thinking Skills - 3 credits

TED 426 Manufacturing Enterprise* 3 Cal U

Communication Skills - 6 credits

ENG 101 Composition I * 3 CCAC

ENG 103 Technical Communications 3 CCAC

Public Speaking - 3 credits

3 Cal U

Mathematics - 3 credits

MAT 114 Math for Technologies 1 4 CCAC

Natural Sciences - 7-8 credits**

PHY 113 Technical Physics 1 3 CCAC

SCIENCE 3-4 Cal U

Social Sciences - 6 credits

PSY 101 Intro to Psychology 3 CCAC

PSY 208 Educational Psychology* 3 Cal U

Humanities - 3 credits

Humanities - Literature 3 CCAC

Fine Arts - 3 credits

3 Cal U

Multicultural Awareness - 3 credits

EDU 310 Teaching in a Multicultural Society * 3 Cal U

Values - 3 credits

TED 210 Design & Appropriate Technology * 3 Cal U

Technological Literacy - 6 credits

TED 302 Energy & Control Systems * 3 Cal U

TED 316 Structural Design * 3 Cal U

Health & Wellness - 3 credits

HPE 314 First Aid & Personal Safety * 3 Cal U

Writing Component Courses - 2 courses

TED 450 and TED 451 listed below in the Professional Preparation block are designated Upper-Division Writing Component Courses.

PROFESSIONAL PREPARATION (28 Credits)

EDU 340 Mainstreaming Exceptional Learners 3 Cal U

TED 100 Introduction to Technology Education 3 Cal U

TED 300 Assessment & Instruction in TED 3 Cal U

TED 450 Teach Technology in Secondary Sch 3 Cal U

TED 451 Teach Technology in Elementary Sch 3 Cal U

TED 461 Technology Education Student Teach 10 Cal U

TED 462 Professional Practices in TED 3 Cal U

Required Courses:

ITE 250 Introduction to Automation 3 Cal U

MAT 116 Math for Technologies 2 4 CCAC

EDD 101 Engineering Drawing 1 3 CCAC

TED 111 Information Systems 3 Cal U

TED 126 Engineering Materials & Product Design 3 Cal U

TED 226 Apps. & Processing of Engineering Materials 3 Cal U

TED 304 Designs in Bio-Related Technology 3 Cal U

TED 335 Transportation Systems 3 Cal U

TED 346 Digital Communications 3 Cal U

TED 436 Engineering Design & Development 3 Cal U

Technical/Technological Electives - 9 credits

EDD 120 Intro to CAD 4 CCAC

EDD 102 Engineering Drawing 2 3 CCAC

EDD 221 Parametric Modeling II 3 CCAC

ELECTIVE (3 Credits)

SET 105 Technical Computing 3 CCAC

Approved Technical/Technological Electives:

COM 141, 142, 241, 242, THE 141, CSC 120 or above
Any CET, EET, GCT, GET, ITE, MMT or TED course not already required by the major, or any other courses approved by the advisor

*Required courses that must be completed.

**Natural Science: Complete one 4-credit LAB & one LAB or SCIENCE.

LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121

SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 137

Admission to Teacher Education - must be approved at 48 - 65 credits
2.80 GPA overall

C or better grades in 6 credits of math

C or better grades in 6 credits of composition/English literature

C or better grade in TED 100

Speech and hearing test

Document Act 34, Act 114 and Act 151 clearances

Pass Praxis exams in Reading, Writing, Math

Recommendation for Student Teaching - required 1 semester prior

Due Jun. 1 for Fall, Nov. 1 for Spring

3.00 GPA overall (at time of application & start of student teaching)

C or better grade in each TED course

TB test

Pass Praxis II TED exam and Fundamental Subjects exam

Current Act 34, 114 & 151 clearances, valid thru student teaching

\$1 million liability insurance policy

EXTRA COURSES

ELC 162 Free Electives

22 CCAC

TED BS SP 07

College of Education and Human Services
Technology Education
Bachelor of Science in Education Degree (123 credits)
Eight Semester Course Sequence

FRESHMAN

Semester 1

Prefix	Number	Course	Cr.
ENG	101	English Composition I	3
MAT	181	College Algebra	3
TED	105	Communicating Technical Designs	3
TED	100	Intro to Technology Education	3
TED	126	Engineer. Materials & Prod. Design	3
UNI	100	First Year Seminar	1
Total			16

Semester 2

Prefix	Number	Course	Cr.
ENG	102	English Composition II	3
MAT	191	College Trigonometry	3
TED	111	Information Systems	3
TED	226	Apps. & Process Engineer. Mats.	3
TED	210	Design & Appropriate Technology	3
Total			15

SOPHOMORE

Semester 3*

Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3
PSY	100	General Psychology	3
		General Education	9
Total			15

Semester 4**

Prefix	Number	Course	Cr.
EDU	310	Teaching in Multicultural Society	3
PSY	208	Educational Psychology	3
TED	300	Assessment & Instruction in TED	3
		General Education	7
Total			16

*Praxis exams should be taken during or immediately following the third semester.

**Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR

Semester 5

Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3
TED	302	Energy & Control Systems	3
TED	316	Structural Design	3
TED	335	Transportation Systems	3
		Technical/Technological Elective	3
Total			15

Semester 6

Prefix	Number	Course	Cr.
HPE	314	First Aid & Personal Safety	3
TED	304	Designs in Bio-Related Tech	3
TED	346	Digital Communications	3
		General Education	3
		Technical/Technological Elective	3
Total			15

SENIOR

Semester 7

Prefix	Number	Course	Cr.
TED	428	Manufacturing Enterprise	3
TED	436	Engineering Design & Develop	3
TED	450	Teach. Tech-Secondary Sch	3
TED	500	Teach. Tech-Elementary Sch	3
		Technical/Technological Elective	3
Total			15

Semester 8

Prefix	Number	Course	Cr.
TED	461	Technology Education Stud Teach	10
TED	462	Prof Practices in Tech Ed	3
Total			13

Total = 120 Credit Hours (BS Degree)

California University of Pennsylvania
College of Education and Human Services
Applied Engineering and Technology Department

Manuf Tech Controls to Technology Education - Bachelor of Science in Education (120 credits)

Name: _____ Entry: _____ ID: _____
 Email: _____ Phone: _____

GENERAL EDUCATION (50-51 Credits): Crs Grade **MAJOR (39 Credits)**

Building a Sense of Community - 1 credit

EGR 100 Engineering Seminar 1 CCAC

Critical Thinking Skills - 3 credits

TED 426 Manufacturing Enterprise* 3 Cal U

Communication Skills - 6 credits

ENG 101 Composition I * 3 CCAC

ENG 103 Technical Communications 3 CCAC

Public Speaking - 3 credits

3 Cal U

Mathematics - 3 credits

MAT 114 Math for Technologies 1 4 CCAC

Natural Sciences - 7-8 credits**

PHY 113 Technical Physics 1 3 CCAC

MET 112 Engineering Materials 4 CCAC

Social Sciences - 6 credits

PSY 101 Intro to Psychology 3 CCAC

PSY 208 Educational Psychology* 3 Cal U

Humanities - 3 credits

Humanities - Literature 3 CCAC

Fine Arts - 3 credits

3 Cal U

Multicultural Awareness - 3 credits

EDU 310 Teaching in a Multicultural Society * 3 Cal U

Values - 3 credits

TED 210 Design & Appropriate Technology * 3 Cal U

Technological Literacy - 6 credits

TED 302 Energy & Control Systems * 3 Cal U

TED 316 Structural Design * 3 Cal U

Health & Wellness - 3 credits

HPE 314 First Aid & Personal Safety * 3 Cal U

Writing Component Courses - 2 courses

TED 450 and TED 451 listed below in the Professional Preparation block are designated Upper-Division Writing Component Courses.

Required Courses:

RBT 225 Robotic Controls 4 CCAC

MAT 116 Math for Technologies 2 4 CCAC

EDD 101 Engineering Drawing 1 3 CCAC

TED 111 Information Systems 3 Cal U

TED 126 Engineering Materials & Product Design 3 Cal U

TED 226 Apps. & Processing of Engineering Materials 3 Cal U

TED 304 Designs in Bio-Related Technology 3 Cal U

TED 335 Transportation Systems 3 Cal U

TED 346 Digital Communications 3 Cal U

TED 436 Engineering Design & Development 3 Cal U

Technical/Technological Electives - 8 credits

EET 103 Intro to Electronics 3 CCAC

SET 105 Technical Computing 3 CCAC

EDD 120 Intro to CAD 4 CCAC

ELECTIVE (3 Credits)

MIT 103 Fund of Microprocessors 3 CCAC

Approved Technical/Technological Electives:

COM 141, 142, 241, 242, THE 141, CSC 120 or above

Any CET, EET, GCT, GET, ITE, MMT or TED course not already required by the major, or any other courses approved by the advisor

*Required courses that must be completed.

**Natural Science: Complete one 4-credit LAB & one LAB or SCIENCE.

LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121

SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 137

Admission to Teacher Education - must be approved at 48 - 65 credits
 2.80 GPA overall

C or better grades in 6 credits of math

C or better grades in 6 credits of composition/English literature

C or better grade in TED 100

Speech and hearing test

Document Act 34, Act 114 and Act 151 clearances

Pass Praxis exams in Reading, Writing, Math

Recommendation for Student Teaching - required 1 semester prior

Due Jun. 1 for Fall, Nov. 1 for Spring

3.00 GPA overall (at time of application & start of student teaching)

C or better grade in each TED course

TB test

Pass Praxis II TED exam and Fundamental Subjects exam

Current Act 34, 114 & 151 clearances, valid thru student teaching

\$1 million liability insurance policy

PROFESSIONAL PREPARATION (28 Credits)

EDU 340 Mainstreaming Exceptional Learners 3 Cal U

TED 100 Introduction to Technology Education 3 Cal U

TED 300 Assessment & Instruction in TED 3 Cal U

TED 450 Teach Technology in Secondary Sch 3 Cal U

TED 451 Teach Technology in Elementary Sch 3 Cal U

TED 461 Technology Education Student Teach 10 Cal U

TED 462 Professional Practices in TED 3 Cal U

EXTRA COURSES

ELC 162 Free Electives

17 CCAC

TED BS SP 07

College of Education and Human Services
Technology Education
Bachelor of Science in Education Degree (123 credits)
Eight Semester Course Sequence

FRESHMAN Semester 1				Semester 2			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ENG	101	English Composition I	3	ENG	102	English Composition II	3
MAT	181	College Algebra	3	MAT	191	College Trigonometry	3
TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3
TED	100	Intro to Technology Education	3	TED	226	App. & Process Engineer. Mats.	3
TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3
UNI	100	First Year Seminar	1				
			Total				15
			16				

SOPHOMORE Semester 3*				Semester 4**			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3	EDU	310	Teaching in Multicultural Society	3
PSY	100	General Psychology	3	PSY	208	Educational Psychology	3
		General Education	9	TED	300	Assessment & Instruction in TED	3
						General Education	7
			Total				16
			15				

*Praxis exams should be taken during or immediately following the third semester.

**Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR Semester 5				Semester 6			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
TED	316	Structural Design	3	TED	346	Digital Communications	3
TED	335	Transportation Systems	3			General Education	3
		Technical/Technological Elective	3			Technical/Technological Elective	3
			Total				15
			15				

SENIOR Semester 7				Semester 8			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TED	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
TED	450	Teach. Tech-Secondary Sch	3				
TED	500	Teach. Tech-Elementary Sch	3				
		Technical/Technological Elective	3				
			Total				13
			15				

Total = 120 Credit Hours (BS Degree)

California University of Pennsylvania
College of Education and Human Services
Applied Engineering and Technology Department

Manuf Tech Machining to Technology Education - Bachelor of Science in Education (120 credits)

Name: _____ Entry: _____ ID: _____
 Email: _____ Phone: _____

GENERAL EDUCATION (50-51 Credits): Crs Grade **MAJOR (39 Credits)** Crs Grade

Building a Sense of Community - 1 credit

EGR 100 Engineering Seminar 1 CCAC

Critical Thinking Skills - 3 credits

TED 426 Manufacturing Enterprise* 3 Cal U

Communication Skills - 6 credits

ENG 101 Composition I * 3 CCAC

ENG 103 Technical Communications 3 CCAC

Public Speaking - 3 credits

_____ 3 Cal U

Mathematics - 3 credits

MAT 114 Math for Technologies 1 4 CCAC

Natural Sciences - 7-8 credits**

PHY 113 Technical Physics 1 3 CCAC

MET 112 Engineering Materials 4 CCAC

Social Sciences - 6 credits

PSY 101 Intro to Psychology 3 CCAC

PSY 206 Educational Psychology* 3 Cal U

Humanities - 3 credits

_____ Humanities - Literature 3 CCAC

Fine Arts - 3 credits

_____ 3 Cal U

Multicultural Awareness - 3 credits

EDU 310 Teaching in a Multicultural Society * 3 Cal U

Values - 3 credits

TED 210 Design & Appropriate Technology * 3 Cal U

Technological Literacy - 6 credits

TED 302 Energy & Control Systems * 3 Cal U

TED 316 Structural Design * 3 Cal U

Health & Wellness - 3 credits

HPE 314 First Aid & Personal Safety * 3 Cal U

Writing Component Courses - 2 courses

TED 460 and TED 461 listed below in the Professional Preparation block are designated Upper-Division Writing Component Courses.

PROFESSIONAL PREPARATION (28 Credits)

EDU 340 Mainstreaming Exceptional Learners 3 Cal U

TED 100 Introduction to Technology Education 3 Cal U

TED 300 Assessment & Instruction in TED 3 Cal U

TED 450 Teach Technology in Secondary Sch 3 Cal U

TED 451 Teach Technology in Elementary Sch 3 Cal U

TED 461 Technology Education Student Teach 10 Cal U

TED 462 Professional Practices in TED 3 Cal U

Required Courses:

ITE 250 Intro to Automation 3 Cal U

MAT 116 Math for Technologies 2 4 CCAC

EDD 120 Intro to CAD 4 CCAC

TED 111 Information Systems 3 Cal U

TED 126 Engineering Materials & Product Design 3 Cal U

TED 226 Apps.& Processing of Engineering Materials 3 Cal U

TED 304 Designs in Bio-Related Technology 3 Cal U

TED 335 Transportation Systems 3 Cal U

TED 346 Digital Communications 3 Cal U

TED 436 Engineering Design & Development 3 Cal U

Technical/Technological Electives - 9 credits

EET 103 Intro to Electronics 3 CCAC

MET 141 Intro to Machining 3 CCAC

EDD 101 Engineering Drawing 1 3 CCAC

ELECTIVE (3 Credits)

SET 105 Technical Computing 3 CCAC

Approved Technical/Technological Electives:

COM 141, 142, 241, 242, THE 141, CSC 120 or above
 Any CET, EET, GCT, GET, ITE, MMT or TED course not already required by the major, or any other courses approved by the advisor

*Required courses that must be completed.

**Natural Science: Complete one 4-credit LAB and one LAB or SCIENCE.

LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121

SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 137

Admission to Teacher Education - must be approved at 48 - 65 credits
 2.80 GPA overall

C or better grades in 6 credits of math

C or better grades in 6 credits of composition/English literature

C or better grade in TED 100

Speech and hearing test

Document Act 34, Act 114 and Act 151 clearances

Pass Praxis exams in Reading, Writing, Math

Recommendation for Student Teaching - required 1 semester prior

Due Jun. 1 for Fall, Nov. 1 for Spring

3.00 GPA overall (at time of application & start of student teaching)

C or better grade in each TED course

TB test

Pass Praxis II TED exam and Fundamental Subjects exam

Current Act 34, 114 & 151 clearances, valid thru student teaching

\$1 million liability insurance policy

EXTRA COURSES

ELC 162 Free Electives

19 CCAC

TED BS SP07

College of Education and Human Services
Technology Education
Bachelor of Science in Education Degree (123 credits)
Eight Semester Course Sequence

FRESHMAN

Semester 1

Prefix	Number	Course	Cr.
ENG	101	English Composition I	3
MAT	181	College Algebra	3
TED	105	Communicating Technical Designs	3
TED	100	Intro to Technology Education	3
TED	126	Engineer. Materials & Prod. Design	3
UNI	100	First Year Seminar	1
Total			16

Semester 2

Prefix	Number	Course	Cr.
ENG	102	English Composition II	3
MAT	191	College Trigonometry	3
TED	111	Information Systems	3
TED	226	Apps. & Process Engineer. Mats.	3
TED	210	Design & Appropriate Technology	3
Total			15

SOPHOMORE

Semester 3*

Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3
PSY	100	General Psychology	3
		General Education	9
Total			15

Semester 4**

Prefix	Number	Course	Cr.
EDU	310	Teaching in Multicultural Society	3
PSY	208	Educational Psychology	3
TED	300	Assessment & Instruction in TED	3
		General Education	7
Total			16

*Praxis exams should be taken during or immediately following the third semester.

**Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR

Semester 5

Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3
TED	302	Energy & Control Systems	3
TED	316	Structural Design	3
TED	335	Transportation Systems	3
		Technical/Technological Elective	3
Total			15

Semester 6

Prefix	Number	Course	Cr.
HPE	314	First Aid & Personal Safety	3
TED	304	Designs in Bio-Related Tech	3
TED	346	Digital Communications	3
		General Education	3
		Technical/Technological Elective	3
Total			15

SENIOR

Semester 7

Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3
TED	436	Engineering Design & Develop	3
TED	450	Teach. Tech-Secondary Sch	3
TED	500	Teach. Tech-Elementary Sch	3
		Technical/Technological Elective	3
Total			15

Semester 8

Prefix	Number	Course	Cr.
TED	461	Technology Education Stud Teach	10
TED	462	Prof Practices in Tech Ed	3
Total			13

Total = 120 Credit Hours (BS Degree)

California University of Pennsylvania
College of Education and Human Services
Applied Engineering and Technology Department
Manuf Tech Nano to Technology Education - Bachelor of Science in Education (120 credits)

Name: _____ Entry: _____ ID: _____
 Email: _____ Phone: _____

GENERAL EDUCATION (50-51 Credits):			MAJOR (39 Credits)		
Crs	Grade		Crs	Grade	
<u>Building a Sense of Community</u> - 1 credit			<u>Required Courses:</u>		
EGR 100	Engineering Seminar	1 CCAC	ITE 250	Intro to Automation	3 Cal U
<u>Critical Thinking Skills</u> - 3 credits			MAT 116	Math for Technologies 2	4 CCAC
TED 426	Manufacturing Enterprise*	3 Cal U	TED 105	Communicating Technical Designs	3 Cal U
<u>Communication Skills</u> - 6 credits			TED 111	Information Systems	3 Cal U
ENG 101	Composition I *	3 CCAC	TED 126	Engineering Materials & Product Design	3 Cal U
ENG 103	Technical Communications	3 CCAC	TED 226	Apps. & Processing of Engineering Materials	3 Cal U
<u>Public Speaking</u> - 3 credits			TED 304	Designs in Bio-Related Technology	3 Cal U
		3 Cal U	TED 335	Transportation Systems	3 Cal U
<u>Mathematics</u> - 3 credits			TED 346	Digital Communications	3 Cal U
MAT 114	Math for Technologies 1	4 CCAC	TED 436	Engineering Design & Development	3 Cal U
<u>Natural Sciences</u> - 7-8 credits**			<u>Technical/Technological Electives</u> - 9 credits		
PHY 113	Technical Physics 1	3 CCAC	EET 103	Intro to Electronics	3 CCAC
MET 112	Engineering Materials	4 CCAC			3 Cal U
<u>Social Sciences</u> - 6 credits					3 Cal U
PSY 101	Intro to Psychology	3 CCAC	<u>ELECTIVE (3 Credits)</u>		
PSY 206	Educational Psychology*	3 Cal U	SET 105	Technical Computing	3 CCAC
<u>Humanities</u> - 3 credits			<u>Approved Technical/Technological Electives:</u>		
	Humanities - Literature	3 CCAC	COM 141, 142, 241, 242, THE 141, CSC 120 or above		
<u>Fine Arts</u> - 3 credits			Any CET, EET, GCT, GET, ITE, MMT or TED course not already required by the major, or any other courses approved by the advisor		
		3 Cal U	*Required courses that must be completed.		
<u>Multicultural Awareness</u> - 3 credits			**Natural Science: Complete one 4-credit LAB and one LAB or SCIENCE.		
EDU 310	Teaching in a Multicultural Society *	3 Cal U	LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121		
<u>Values</u> - 3 credits			SCIENCE (3 crs): EAS 163, ENS 101, PHS 120, PHS 137		
TED 210	Design & Appropriate Technology *	3 Cal U	Admission to Teacher Education - must be approved at 48 - 65 credits		
<u>Technological Literacy</u> - 6 credits			2.80 GPA overall		
TED 302	Energy & Control Systems *	3 Cal U	C or better grades in 6 credits of math		
TED 316	Structural Design *	3 Cal U	C or better grades in 6 credits of composition/English literature		
<u>Health & Wellness</u> - 3 credits			C or better grade in TED 100		
HPE 314	First Aid & Personal Safety *	3 Cal U	Speech and hearing test		
<u>Writing Component Courses</u> - 2 courses			Document Act 34, Act 114 and Act 151 clearances		
TED 450 and TED 451 listed below in the Professional Preparation block are designated Upper-Division Writing Component Courses.			Pass Praxis exams in Reading, Writing, Math		
PROFESSIONAL PREPARATION (28 Credits)			Recommendation for Student Teaching - required 1 semester prior		
EDU 340	Mainstreaming Exceptional Learners	3 Cal U	Due Jun. 1 for Fall, Nov. 1 for Spring		
TED 100	Introduction to Technology Education	3 Cal U	3.00 GPA overall (at time of application & start of student teaching)		
TED 300	Assessment & Instruction in TED	3 Cal U	C or better grade in each TED course		
TED 450	Teach Technology in Secondary Sch	3 Cal U	TB test		
TED 451	Teach Technology in Elementary Sch	3 Cal U	Pass Praxis II TED exam and Fundamental Subjects exam		
TED 461	Technology Education Student Teach	10 Cal U	Current Act 34, 114 & 151 clearances, valid thru student teaching		
TED 462	Professional Practices in TED	3 Cal U	\$1 million liability insurance policy		
			EXTRA COURSES		
			ELC 162	Free Electives	32 CCAC
			TED BS SP07		

College of Education and Human Services
Technology Education
Bachelor of Science in Education Degree (123 credits)
Eight Semester Course Sequence

FRESHMAN

Semester 1

Prefix	Number	Course	Cr.
ENG	101	English Composition I	3
MAT	181	College Algebra	3
TED	105	Communicating Technical Designs	3
TED	100	Intro to Technology Education	3
TED	126	Engineer. Materials & Prod. Design	3
UNI	100	First Year Seminar	1
Total			16

Semester 2

Prefix	Number	Course	Cr.
ENG	102	English Composition II	3
MAT	191	College Trigonometry	3
TED	111	Information Systems	3
TED	226	Apps. & Process Engineer. Mats.	3
TED	210	Design & Appropriate Technology	3
Total			15

SOPHOMORE

Semester 3*

Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3
PSY	100	General Psychology	3
		General Education	9
Total			15

Semester 4**

Prefix	Number	Course	Cr.
EDU	310	Teaching in Multicultural Society	3
PSY	208	Educational Psychology	3
TED	300	Assessment & Instruction in TED	3
		General Education	7
Total			16

*Praxis exams should be taken during or immediately following the third semester.

**Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR

Semester 5

Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3
TED	302	Energy & Control Systems	3
TED	316	Structural Design	3
TED	335	Transportation Systems	3
		Technical/Technological Elective	3
Total			15

Semester 6

Prefix	Number	Course	Cr.
HPE	314	First Aid & Personal Safety	3
TED	304	Designs in Bio-Related Tech	3
TED	346	Digital Communications	3
		General Education	3
		Technical/Technological Elective	3
Total			15

SENIOR

Semester 7

Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3
TED	436	Engineering Design & Develop	3
TED	450	Teach. Tech-Secondary Sch	3
TED	500	Teach. Tech-Elementary Sch	3
		Technical/Technological Elective	3
Total			15

Semester 8

Prefix	Number	Course	Cr.
TED	481	Technology Education Stud Teach	10
TED	462	Prof Practices in Tech Ed	3
Total			13

Total = 120 Credit Hours (BS Degree)

California University of Pennsylvania
College of Education and Human Services
Applied Engineering and Technology Department
Manuf Tech Weld to Technology Education - Bachelor of Science in Education (120 credits)

Name: _____ Entry: _____ ID: _____
 Email: _____ Phone: _____

GENERAL EDUCATION (50-51 Credits):			MAJOR (39 Credits)		
Crs	Grade		Crs	Grade	
<u>Building a Sense of Community</u> - 1 credit			<u>Required Courses:</u>		
EGR 100	Engineering Seminar	1 CCAC	ITE 250	Introduction to Automation	3 Cal U
<u>Critical Thinking Skills</u> - 3 credits			MAT116	Math for the Technologies 2	4 CCAC
TED 426	Manufacturing Enterprise*	3 Cal U	EDD 120	Intro to CAD	4 CCAC
<u>Communication Skills</u> - 6 credits			TED 111	Information Systems	3 Cal U
ENG 101	Composition I *	3 CCAC	TED 126	Engineering Materials & Product Design	3 Cal U
ENG 103	Technical Communication	3 CCAC	TED 226	Apps. & Processing of Engineering Materials	3 Cal U
<u>Public Speaking</u> - 3 credits			TED 304	Designs in Bio-Related Technology	3 Cal U
		3 Cal U	TED 335	Transportation Systems	3 Cal U
<u>Mathematics</u> - 3 credits			TED 346	Digital Communications	3 Cal U
MAT 114	Math for the Technologies 1	4 CCAC	TED 436	Engineering Design & Development	3 Cal U
<u>Natural Sciences</u> - 7-8 credits**			<u>Technical/Technological Electives</u> - 9 credits		
PHY 113	Technical Physics 1	3 CCAC	EET 130	Intro to Electronics	3 CCAC
MET 112	Engineering Materials	4 CCAC	EDD 101	Engineering Drawing 1	3 CCAC
<u>Social Sciences</u> - 6 credits			MET 200	Meteorology	3 CCAC
PSY 101	Intro to Psychology *	3 CCAC	<u>ELECTIVE (3 Credits)</u>		
PSY 208	Educational Psychology*	3 Cal U	WLC 101	Welding Fundamentals	3 CCAC
<u>Humanities</u> - 3 credits			<u>Approved Technical/Technological Electives:</u>		
	Any Humanities Literature Course	3 CCAC	COM 141, 142, 241, 242, THE 141, CSC 120 or above		
<u>Fine Arts</u> - 3 credits			Any CET, EET, GCT, GET, ITE, MMT or TED course not already required by the major, or any other courses approved by the advisor		
		3 Cal U	*Required courses that must be completed.		
<u>Multicultural Awareness</u> - 3 credits			**Natural Science: Complete one 4-credit LAB and one LAB or SCIENCE.		
EDU 310	Teaching in a Multicultural Society *	3 Cal U	LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121		
<u>Values</u> - 3 credits			SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 137		
TED 210	Design & Appropriate Technology *	3 Cal U	Admission to Teacher Education - must be approved at 48 - 65 credits		
<u>Technological Literacy</u> - 6 credits			2.80 GPA overall		
TED 302	Energy & Control Systems *	3 Cal U	C or better grades in 6 credits of math		
TED 316	Structural Design *	3 Cal U	C or better grades in 6 credits of composition/English literature		
<u>Health & Wellness</u> - 3 credits			C or better grade in TED 100		
HPE 314	First Aid & Personal Safety *	3 Cal U	Speech and hearing test		
<u>Writing Component Courses</u> - 2 courses			Document Act 34, Act 114 and Act 151 clearances		
TED 450 and TED 451 listed below in the Professional Preparation block are designated Upper-Division Writing Component Courses.			Pass Praxis exams in Reading, Writing, Math		
PROFESSIONAL PREPARATION (28 Credits)			Recommendation for Student Teaching - required 1 semester prior		
EDU 340	Mainstreaming Exceptional Learners	3 Cal U	Due Jun. 1 for Fall, Nov. 1 for Spring		
TED 100	Introduction to Technology Education	3 Cal U	3.00 GPA overall (at time of application & start of student teaching)		
TED 300	Assessment & Instruction in TED	3 Cal U	C or better grade in each TED course		
TED 450	Teach Technology in Secondary Sch	3 Cal U	TB test		
TED 451	Teach Technology in Elementary Sch	3 Cal U	Pass Praxis II TED exam and Fundamental Subjects exam		
TED 461	Technology Education Student Teach	10 Cal U	Current Act 34, 114 & 151 clearances, valid thru student teaching		
TED 462	Professional Practices in TED	3 Cal U	\$1 million liability insurance policy		
			EXTRA COURSES		
			ELC 162	Free Electives	20 CCAC
			TED BS SP07		

College of Education and Human Services
Technology Education
Bachelor of Science in Education Degree (123 credits)
Eight Semester Course Sequence

FRESHMAN

Semester 1

Semester 2

Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ENG	101	English Composition I	3	ENG	102	English Composition II	3
MAT	181	College Algebra	3	MAT	191	College Trigonometry	3
TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3
TED	100	Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3
TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3
UNI	100	First Year Seminar	1				
			Total				Total
			16				15

SOPHOMORE

Semester 3*

Semester 4**

Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3	EDU	310	Teaching in Multicultural Society	3
PSY	100	General Psychology	3	PSY	208	Educational Psychology	3
		General Education	9	TED	300	Assessment & Instruction in TED	3
						General Education	7
			Total				Total
			15				16

*Praxis exams should be taken during or immediately following the third semester.

**Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR

Semester 5

Semester 6

Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
TED	316	Structural Design	3	TED	346	Digital Communications	3
TED	335	Transportation Systems	3			General Education	3
		Technical/Technological Elective	3			Technical/Technological Elective	3
			Total				Total
			15				15

SENIOR

Semester 7

Semester 8

Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TED	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
TED	450	Teach. Tech-Secondary Sch	3				
TED	500	Teach. Tech-Elementary Sch	3				
		Technical/Technological Elective	3				
			Total				Total
			15				13

Total = 120 Credit Hours (BS Degree)

California University of Pennsylvania
College of Education and Human Services
Applied Engineering and Technology Department

Mech Drf & Des to Technology Education - Bachelor of Science in Education (120 credits)

Name: _____ Entry: _____ ID: _____
 Email: _____ Phone: _____

GENERAL EDUCATION (50-51 Credits):			MAJOR (39 Credits)		
Building a Sense of Community - 1 credit			Required Courses:		
EGR 100	Engineering Seminar	1 CCAC	ITE 250	Introduction to Automation	3
Critical Thinking Skills - 3 credits			MAT116	Math for the Technologies 2	4 CCAC
TED 426	Manufacturing Enterprise*	3 Cal U	EDD 101	Engineering Drawing 1	3 CCAC
Communication Skills - 6 credits			TED 111	Information Systems	3
ENG 101	Composition I *	3 CCAC	TED 126	Engineering Materials & Product Design	3
ENG 103	Technical Communication	3 CCAC	TED 226	Apps. & Processing of Engineering Materials	3
Public Speaking - 3 credits			TED 304	Designs in Bio-Related Technology	3
		3 Cal U	TED 335	Transportation Systems	3
Mathematics - 3 credits			TED 346	Digital Communications	3
MAT 114	Math for the Technologies 1	4 CCAC	TED 436	Engineering Design & Development	3
Natural Sciences - 7-8 credits**			Technical/Technological Electives - 9 credits		
PHY 113	Technical Physics 1	3 CCAC	EDD 120	Intro to CAD	4 CCAC
MET 112	Engineering Materials	4 CCAC	MET 150	Statics	4 CCAC
Social Sciences - 6 credits			MET 211	Strength of Materials	4 CCAC
PSY 101	Intro to Psychology *	3 CCAC	ELECTIVE (3 Credits)		
PSY 208	Educational Psychology*	3 Cal U	SET 105	Technical Computing	3 CCAC
Humanities - 3 credits			Approved Technical/Technological Electives:		
	Any Humanities Literature Course	3 CCAC	COM 141, 142, 241, 242, THE 141, CSC 120 or above		
Fine Arts - 3 credits			Any CET, EET, GCT, GET, ITE, MMT or TED course not already required by the major, or any other courses approved by the advisor		
		3 Cal U	*Required courses that must be completed.		
Multicultural Awareness - 3 credits			**Natural Science: Complete one 4-credit LAB and one LAB or SCIENCE.		
EDU 310	Teaching in a Multicultural Society *	3 Cal U	LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121		
Values - 3 credits			SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 137		
TED 210	Design & Appropriate Technology *	3 Cal U	Admission to Teacher Education - must be approved at 48 - 65 credits		
Technological Literacy - 6 credits			2.80 GPA overall		
TED 302	Energy & Control Systems *	3 Cal U	C or better grades in 6 credits of math		
TED 316	Structural Design *	3 Cal U	C or better grades in 6 credits of composition/English literature		
Health & Wellness - 3 credits			C or better grade in TED 100		
HPE 314	First Aid & Personal Safety *	3 Cal U	Speech and hearing test		
Writing Component Courses - 2 courses			Document Act 34, Act 114 and Act 151 clearances		
TED 450 and TED 451 listed below in the Professional Preparation block are designated Upper-Division Writing Component Courses.			Pass Praxis exams in Reading, Writing, Math		
PROFESSIONAL PREPARATION (28 Credits)			Recommendation for Student Teaching - required 1 semester prior		
EDU 340	Mainstreaming Exceptional Learners	3 Cal U	Due Jun. 1 for Fall, Nov. 1 for Spring		
TED 100	Introduction to Technology Education	3 Cal U	3.00 GPA overall (at time of application & start of student teaching)		
TED 300	Assessment & Instruction in TED	3 Cal U	C or better grade in each TED course		
TED 450	Teach Technology in Secondary Sch	3 Cal U	TB test		
TED 451	Teach Technology in Elementary Sch	3 Cal U	Pass Praxis II TED exam and Fundamental Subjects exam		
TED 461	Technology Education Student Teach	10 Cal U	Current Act 34, 114 & 151 clearances, valid thru student teaching		
TED 462	Professional Practices in TED	3 Cal U	\$1 million liability insurance policy		
			EXTRA COURSES		
			ELC 162	Free Electives	22 ccac
			TED BS SP07		

College of Education and Human Services
Technology Education
Bachelor of Science in Education Degree (123 credits)
Eight Semester Course Sequence

FRESHMAN Semester 1				Semester 2			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ENG	101	English Composition I	3	ENG	102	English Composition II	3
MAT	181	College Algebra	3	MAT	191	College Trigonometry	3
TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3
TED	100	Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3
TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3
UNI	100	First Year Seminar	1				
			Total				Total
			16				15

SOPHOMORE Semester 3*				Semester 4**			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3	EDU	310	Teaching In Multicultural Society	3
PSY	100	General Psychology	3	PSY	208	Educational Psychology	3
		General Education	9	TED	300	Assessment & Instruction in TED	3
						General Education	7
			Total				Total
			15				16

*Praxis exams should be taken during or immediately following the third semester.

**Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR Semester 5				Semester 6			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
TED	316	Structural Design	3	TED	346	Digital Communications	3
TED	335	Transportation Systems	3			General Education	3
		Technical/Technological Elective	3			Technical/Technological Elective	3
			Total				Total
			15				15

SENIOR Semester 7				Semester 8			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TED	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
TED	450	Teach. Tech-Secondary Sch	3				
TED	500	Teach. Tech-Elementary Sch	3				
		Technical/Technological Elective	3				
			Total				Total
			15				13

Total = 120 Credit Hours (BS Degree)

California University of Pennsylvania
College of Education and Human Services
Applied Engineering and Technology Department

Microcomp Electronics to Technology Education - Bachelor of Science in Education (120 credits)

Name: _____ Entry: _____ ID: _____
 Email: _____ Phone: _____

GENERAL EDUCATION (50-51 Credits):			MAJOR (39 Credits)		
Crs	Grade		Crs	Grade	
<u>Building a Sense of Community</u> - 1 credit			<u>Required Courses:</u>		
EGR 100	Engineering Seminar	1 CCAC	ITE 250	Introduction to Automation	3 Cal U
<u>Critical Thinking Skills</u> - 3 credits			MAT 116	Math for Technologies 2	4 CCAC
TED 426	Manufacturing Enterprise*	3 Cal U	TED 105	Communicating Technical Designs	3 Cal U
<u>Communication Skills</u> - 6 credits			TED 111	Information Systems	3 Cal U
ENG 101	Composition I *	3 CCAC	TED 126	Engineering Materials & Product Design	3 Cal U
ENG 106	Report Writing	3 CCAC	TED 226	Apps. & Processing of Engineering Materials	3 Cal U
<u>Public Speaking</u> - 3 credits			TED 304	Designs in Bio-Related Technology	3 Cal U
		3 Cal U	TED 335	Transportation Systems	3 Cal U
<u>Mathematics</u> - 3 credits			TED 346	Digital Communications	3 Cal U
MAT 114	Math for Technologies 1	4 CCAC	TED 436	Engineering Design & Development	3 Cal U
<u>Natural Sciences</u> - 7-8 credits**			<u>Technical/Technological Electives</u> - 9 credits		
PHY 113	Technical Physics 1	3 CCAC		Technical Elective	3 CCAC
PHY 114	Technical Physics 2	3 CCAC		Technical Elective	3 CCAC
<u>Social Sciences</u> - 6 credits				Technical Elective	3 Cal U
PSY 101	Intro to Psychology	3 CCAC	<u>ELECTIVE (3 Credits)</u>		
PSY 206	Educational Psychology*	3 Cal U	SET 105	Technical Computing	3 CCAC
<u>Humanities</u> - 3 credits			<u>Approved Technical/Technological Electives:</u>		
	Humanities - Literature	3 CCAC	COM 141, 142, 241, 242, THE 141, CSC 120 or above		
<u>Fine Arts</u> - 3 credits			Any CET, EET, GCT, GET, ITE, MMT or TED course not already required by the major, or any other courses approved by the advisor		
		3 Cal U	*Required courses that must be completed.		
<u>Multicultural Awareness</u> - 3 credits			**Natural Science: Complete one 4-credit LAB and one LAB or SCIENCE.		
EDU 310	Teaching in a Multicultural Society *	3 Cal U	LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121		
<u>Values</u> - 3 credits			SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 137		
TED 210	Design & Appropriate Technology *	3 Cal U	Admission to Teacher Education - must be approved at 46 - 65 credits		
<u>Technological Literacy</u> - 6 credits			2.80 GPA overall		
TED 302	Energy & Control Systems *	3 Cal U	C or better grades in 6 credits of math		
TED 316	Structural Design *	3 Cal U	C or better grades in 6 credits of composition/English literature		
<u>Health & Wellness</u> - 3 credits			C or better grade in TED 100		
HPE 314	First Aid & Personal Safety *	3 Cal U	Speech and hearing test		
<u>Writing Component Courses</u> - 2 courses			Document Act 34, Act 114 and Act 151 clearances		
TED 460 and TED 461 listed below in the Professional Preparation block are designated Upper-Division Writing Component Courses.			Pass Praxis exams in Reading, Writing, Math		
<u>PROFESSIONAL PREPARATION (28 Credits)</u>			Recommendation for Student Teaching - required 1 semester prior		
EDU 340	Mainstreaming Exceptional Learners	3 Cal U	Due Jun. 1 for Fall, Nov. 1 for Spring		
TED 100	Introduction to Technology Education	3 Cal U	3.00 GPA overall (at time of application & start of student teaching)		
TED 300	Assessment & Instruction in TED	3 Cal U	C or better grade in each TED course		
TED 450	Teach Technology in Secondary Sch	3 Cal U	TB test		
TED 451	Teach Technology in Elementary Sch	3 Cal U	Pass Praxis II TED exam and Fundamental Subjects exam		
TED 461	Technology Education Student Teach	10 Cal U	Current Act 34, 114 & 151 clearances, valid thru student teaching		
TED 462	Professional Practices in TED	3 Cal U	\$1 million liability insurance policy		
			<u>EXTRA COURSES</u>		
			ELC 162	Free Electives	29 CCAC
			TED BS SP07		

College of Education and Human Services
Technology Education
Bachelor of Science in Education Degree (123 credits)
Eight Semester Course Sequence

FRESHMAN

Semester 1

Prefix	Number	Course	Cr.
ENG	101	English Composition I	3
MAT	181	College Algebra	3
TED	105	Communicating Technical Designs	3
TED	100	Intro to Technology Education	3
TED	126	Engineer. Materials & Prod. Design	3
UNI	100	First Year Seminar	1
Total			16

Semester 2

Prefix	Number	Course	Cr.
ENG	102	English Composition II	3
MAT	191	College Trigonometry	3
TED	111	Information Systems	3
TED	226	Apps. & Process Engineer. Mats.	3
TED	210	Design & Appropriate Technology	3
Total			15

SOPHOMORE

Semester 3*

Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3
PSY	100	General Psychology	3
		General Education	9
Total			15

Semester 4**

Prefix	Number	Course	Cr.
EDU	310	Teaching in Multicultural Society	3
PSY	208	Educational Psychology	3
TED	300	Assessment & Instruction in TED	3
		General Education	7
Total			16

*Praxis exams should be taken during or immediately following the third semester.

**Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR

Semester 5

Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3
TED	302	Energy & Control Systems	3
TED	316	Structural Design	3
TED	335	Transportation Systems	3
		Technical/Technological Elective	3
Total			15

Semester 6

Prefix	Number	Course	Cr.
HPE	314	First Aid & Personal Safety	3
TED	304	Designs in Bio-Related Tech	3
TED	346	Digital Communications	3
		General Education	3
		Technical/Technological Elective	3
Total			15

SENIOR

Semester 7

Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3
TED	436	Engineering Design & Develop	3
TED	450	Teach. Tech-Secondary Sch	3
TED	500	Teach. Tech-Elementary Sch	3
		Technical/Technological Elective	3
Total			15

Semester 8

Prefix	Number	Course	Cr.
TED	461	Technology Education Stud Teach	10
TED	462	Prof Practices in Tech Ed	3
Total			13

Total = 120 Credit Hours (BS Degree)

California University of Pennsylvania
College of Education and Human Services
Applied Engineering and Technology Department
Robotics to Technology Education - Bachelor of Science in Education (120 credits)

Name: _____ Entry: _____ ID: _____
 Email: _____ Phone: _____

GENERAL EDUCATION (50-51 Credits): Crs Grade

Building a Sense of Community - 1 credit

EGR 100 Engineering Seminar 1 CCAC

Critical Thinking Skills - 3 credits

TED 426 Manufacturing Enterprise* 3 Cal U

Communication Skills - 6 credits

ENG 101 Composition I * 3 CCAC

ENG 106 Report Writing 3 CCAC

Public Speaking - 3 credits

_____ 3 _____

Mathematics - 3 credits

MAT 114 Math for Technologies 1 4 CCAC

Natural Sciences - 7-8 credits**

PHY 113 Technical Physics 1 3 CCAC

PHY 114 Technical Physics 2 3 CCAC

Social Sciences - 6 credits

PSY 101 Intro to Psychology 3 CCAC

PSY 206 Educational Psychology* 3 Cal U

Humanities - 3 credits

_____ Humanities - Literature 3 CCAC

Fine Arts - 3 credits

_____ 3 _____

Multicultural Awareness - 3 credits

EDU 310 Teaching in a Multicultural Society * 3 Cal U

Values - 3 credits

TED 210 Design & Appropriate Technology * 3 Cal U

Technological Literacy - 6 credits

TED 302 Energy & Control Systems * 3 Cal U

TED 316 Structural Design * 3 Cal U

Health & Wellness - 3 credits

HPE 314 First Aid & Personal Safety * 3 Cal U

Writing Component Courses - 2 courses

TED 450 and TED 451 listed below in the Professional Preparation block are designated Upper-Division Writing Component Courses.

PROFESSIONAL PREPARATION (25 Credits)

EDU 340 Mainstreaming Exceptional Learners 3 Cal U

TED 100 Introduction to Technology Education 3 Cal U

TED 300 Assessment & Instruction in TED 3 Cal U

TED 450 Teach Technology in Secondary Sch 3 Cal U

TED 451 Teach Technology in Elementary Sch 3 Cal U

TED 461 Technology Education Student Teach 10 Cal U

TED 462 Professional Practices in TED 3 Cal U

MAJOR (39 Credits)

Required Courses:

ITE 250 Introduction to Automation 3 Cal U

MAT 116 Math for Technologies 2 4 CCAC

TED 105 Communicating Technical Designs 3 _____

TED 111 Information Systems 3 _____

TED 126 Engineering Materials & Product Design 3 _____

TED 226 Apps. & Processing of Engineering Materials 3 _____

TED 304 Designs in Bio-Related Technology 3 _____

TED 335 Transportation Systems 3 _____

TED 346 Digital Communications 3 _____

TED 436 Engineering Design & Development 3 _____

Technical/Technological Electives - 9 credits

EET 103 Intro Electronics 3 CCAC

RBT 225 Robotics Control Systems 4 CCAC

MET 170 Fluid Power Systems 4 CCAC

ELECTIVE (3 Credits)

SET 105 Technical Computing 3 CCAC

Approved Technical/Technological Electives:

COM 141, 142, 241, 242, THE 141, CSC 120 or above

Any CET, EET, GCT, GET, ITE, MMT or TED course not already required by the major, or any other courses approved by the advisor

*Required courses that must be completed.

**Natural Science: Complete one 4-credit LAB and one LAB or SCIENCE.

LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121

SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 137

Admission to Teacher Education - must be approved at 48 - 65 credits
 2.80 GPA overall

C or better grades in 6 credits of math

C or better grades in 6 credits of composition/English literature

C or better grade in TED 100

Speech and hearing test

Document Act 34, Act 114 and Act 151 clearances

Pass Praxis exams in Reading, Writing, Math

Recommendation for Student Teaching - required 1 semester prior

Due Jun. 1 for Fall, Nov. 1 for Spring

3.00 GPA overall (at time of application & start of student teaching)

C or better grade in each TED course

TB test

Pass Praxis II TED exam and Fundamental Subjects exam

Current Act 34, 114 & 151 clearances, valid thru student teaching

\$1 million liability insurance policy

EXTRA COURSES

ELC 162 Free Electives

26 CCAC

TED BS SP07

College of Education and Human Services
Technology Education
Bachelor of Science in Education Degree (123 credits)
Eight Semester Course Sequence

FRESHMAN

Semester 1

Prefix	Number	Course	Cr.
ENG	101	English Composition I	3
MAT	181	College Algebra	3
TED	105	Communicating Technical Designs	3
TED	100	Intro to Technology Education	3
TED	126	Engineer. Materials & Prod. Design	3
UNI	100	First Year Seminar	1
Total			16

Semester 2

Prefix	Number	Course	Cr.
ENG	102	English Composition II	3
MAT	191	College Trigonometry	3
TED	111	Information Systems	3
TED	226	Apps. & Process Engineer. Mats.	3
TED	210	Design & Appropriate Technology	3
Total			15

SOPHOMORE

Semester 3*

Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3
PSY	100	General Psychology	3
		General Education	9
Total			15

Semester 4**

Prefix	Number	Course	Cr.
EDU	310	Teaching in Multicultural Society	3
PSY	208	Educational Psychology	3
TED	300	Assessment & Instruction in TED	3
		General Education	7
Total			16

*Praxis exams should be taken during or immediately following the third semester.

**Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR

Semester 5

Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3
TED	302	Energy & Control Systems	3
TED	316	Structural Design	3
TED	335	Transportation Systems	3
		Technical/Technological Elective	3
Total			15

Semester 6

Prefix	Number	Course	Cr.
HPE	314	First Aid & Personal Safety	3
TED	304	Designs in Bio-Related Tech	3
TED	346	Digital Communications	3
		General Education	3
		Technical/Technological Elective	3
Total			15

SENIOR

Semester 7

Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3
TED	436	Engineering Design & Develop	3
TED	450	Teach. Tech-Secondary Sch	3
TED	500	Teach. Tech-Elementary Sch	3
		Technical/Technological Elective	3
Total			15

Semester 8

Prefix	Number	Course	Cr.
TED	461	Technology Education Stud Teach	10
TED	462	Prof Practices in Tech Ed	3
Total			13

Total = 120 Credit Hours (BS Degree)

California University of Pennsylvania
College of Education and Human Services
Applied Engineering and Technology Department
Sci & Tech to Technology Education - Bachelor of Science in Education (120 credits)

Name: _____ Entry: _____ ID: _____
 Email: _____ Phone: _____

GENERAL EDUCATION (50-51 Credits):

Building a Sense of Community - 1 credit

EGR 100 Engineering Seminar * 1 CCAC

Critical Thinking Skills - 3 credits

TED 426 Manufacturing Enterprise* 3 Cal U

Communication Skills - 6 credits

ENG 101 Composition I * 3 CCAC

ENG 102 Composition II OR ENG 106 Report Writ* 3 CCAC

Public Speaking - 3 credits

3 Cal U

Mathematics - 3 credits

MAT 114 Math for the Technologies 1 * 4 CCAC

Natural Sciences - 7-8 credits**

CHM 109 Intro to Chem 4 CCAC

PHY 113 Technical Physics 1 3 CCAC

Social Sciences - 6 credits

PSY 101 Intro to Psychology * 3 CCAC

PSY 208 Educational Psychology* 3 Cal U

Humanities - 3 credits

Any Humanities Elective 3 CCAC

Fine Arts - 3 credits

3 Cal U

Multicultural Awareness - 3 credits

EDU 310 Teaching in a Multicultural Society * 3 Cal U

Values - 3 credits

TED 210 Design & Appropriate Technology * 3 Cal U

Technological Literacy - 6 credits

TED 302 Energy & Control Systems * 3 Cal U

TED 316 Structural Design * 3 Cal U

Health & Wellness - 3 credits

HPE 314 First Aid & Personal Safety * 3 Cal U

Writing Component Courses - 2 courses

TED 450 and TED 451 listed below in the Professional Preparation block are designated Upper-Division Writing Component Courses.

PROFESSIONAL PREPARATION (28 Credits)

EDU 340 Mainstreaming Exceptional Learners 3 Cal U

TED 100 Introduction to Technology Education 3 Cal U

TED 300 Assessment & Instruction in TED 3 Cal U

TED 450 Teach Technology in Secondary Sch 3 Cal U

TED 451 Teach Technology in Elementary Sch 3 Cal U

TED 461 Technology Education Student Teach 10 Cal U

TED 462 Professional Practices in TED 3 Cal U

MAJOR (39 Credits)

Required Courses:

ITE 250 Introduction to Automation 3 Cal U

MAT 116 Math for the Technologies 2 4 CCAC

EDD 101 Engineering Drawing I 3 CCAC

TED 111 Information Systems 3

TED 126 Engineering Materials & Product Design 3

MET 112 Engineering Materials 4 CCAC

TED 304 Designs in Bio-Related Technology 3

TED 335 Transportation Systems 3

TED 346 Digital Communications 3

TED 436 Engineering Design & Development 3

Technical/Technological Electives - 9 credits

EET 103 Intro to Electronics 3 CCAC

EDD 120 Intro to CAD 4 CCAC

SET 110 Project Fabrication 3 CCAC

ELECTIVE (3 Credits)

SET 105 Technical Computing 3 CCAC

Approved Technical/Technological Electives:

COM 141, 142, 241, 242, THE 141, CSC 120 or above
 Any CET, EET, GCT, GET, ITE, MMT or TED course not already required by the major, or any other courses approved by the advisor

*Required courses that must be completed.

**Natural Science: Complete one 4-credit LAB & one LAB or SCIENCE.

LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121

SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 137

Admission to Teacher Education-must be approved at 48-65 credits
 2.80 GPA overall

C or better grades in 6 credits of math

C or better grades in 6 credits of composition/English literature

C or better grade in TED 100

Speech and hearing test

Document Act 34, Act 114 and Act 151 clearances

Pass Praxis exams in Reading, Writing, Math

Recommendation for Student Teaching - required 1 semester prior

Due Jun. 1 for Fall, Nov. 1 for Spring

3.00GPAoverall(at time of application & start of student teaching)

C or better grade in each TED course

TB test

Pass Praxis II TED exam and Fundamental Subjects exam

Current Act 34, 114 & 151 clearances, valid thru student teaching

\$1 million liability insurance policy

#-If ENG 106 is taken, Humanities must be a literature.

EXTRA COURSES

ELC 162 Free Electives

15 CCAC

TED BS SP07

College of Education and Human Services
Technology Education
Bachelor of Science in Education Degree (123 credits)
Eight Semester Course Sequence

FRESHMAN

Semester 1

Prefix	Number	Course	Cr.
ENG	101	English Composition I	3
MAT	181	College Algebra	3
TED	105	Communicating Technical Designs	3
TED	100	Intro to Technology Education	3
TED	126	Engineer. Materials & Prod. Design	3
UNI	100	First Year Seminar	1
Total			16

Semester 2

Prefix	Number	Course	Cr.
ENG	102	English Composition II	3
MAT	191	College Trigonometry	3
TED	111	Information Systems	3
TED	226	Apps. & Process Engineer. Mats.	3
TED	210	Design & Appropriate Technology	3
Total			15

SOPHOMORE

Semester 3*

Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3
PSY	100	General Psychology	3
		General Education	9
Total			15

Semester 4**

Prefix	Number	Course	Cr.
EDU	310	Teaching in Multicultural Society	3
PSY	208	Educational Psychology	3
TED	300	Assessment & Instruction in TED	3
		General Education	7
Total			16

*Praxis exams should be taken during or immediately following the third semester.

**Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR

Semester 5

Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3
TED	302	Energy & Control Systems	3
TED	316	Structural Design	3
TED	335	Transportation Systems	3
		Technical/Technological Elective	3
Total			15

Semester 6

Prefix	Number	Course	Cr.
HPE	314	First Aid & Personal Safety	3
TED	304	Designs in Bio-Related Tech	3
TED	346	Digital Communications	3
		General Education	3
		Technical/Technological Elective	3
Total			15

SENIOR

Semester 7

Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3
TED	436	Engineering Design & Develop	3
TED	450	Teach. Tech-Secondary Sch	3
TED	500	Teach. Tech-Elementary Sch	3
		Technical/Technological Elective	3
Total			15

Semester 8

Prefix	Number	Course	Cr.
TED	461	Technology Education Stud Teach	10
TED	462	Prof Practices in Tech Ed	3
Total			13

Total = 120 Credit Hours (BS Degree)