

California Polytechnic State University  
San Luis Obispo

Courses completed by Ronald D. Kriz for the  
Degree of Bachelors of Science  
in  
Aeronautical Engineering

Aeronautical Engineering

<u>Course</u>	<u>Topic</u>	<u>Credits</u>
AERO 124	Power Plants	3
AERO 125	Materials Fabrication	3
AERO 126	Aeronautical Laboratory	3
AERO 207	Strength of Materials	5
AERO 252	Engineering Problem Analysis	1
AERO 229	Strength of Materials Laboratory	1
AERO 322	Analogue Computer Techniques	3
AERO 324	Stress Analysis I	4
AERO 301	Fluid and Thermodynamics I	5
AERO 302	Fluid and Thermodynamics II	5
AERO 325	Stress Analysis II	4
AERO 303	Fluid and Thermodynamics III	5
AERO 306	Aerodynamics	5
AERO 461	Senior Project I	2
AERO 444	Design Laboratory I	4
AERO 462	Senior Project II	2
AERO 401	Propulsion Systems	5
AERO 445	Design Laboratory II	4
AERO 240	Additional Engineering Laboratory	1
AERO 415	Stability and Control	3
AERO 408	Advanced Structural Analysis	4
AERO 417	Structural Dynamics	4

Mechanical and Electrical Engineering

ME 211	Engineering Mechanics I (statics)	3
ME 212	Engineering Mechanics II (dynamics)	3
ME 316	Mechanical Vibrations	4
MM 301	Theory of Materials	3
EL 101	Elements of Electronics	2
EL 213	Introduction to Circuit Analysis	3
EL 253	Circuits Laboratory	1
EL 321	Electronics	4
EL 209	Electronic Devices	Audit

Physics

PHYS 131	General Physics I	4
PHYS 132	General Physics II	4
PHYS 133	General Physics III	4

Mathematics and Computer Science

<u>Course</u>	<u>Topic</u>	<u>Credits</u>
MATH 117	Math for Engineers	5
MATH 141	Calculus I	4
MATH 142	Calculus II	4
MATH 143	Calculus III	4
MATH 241	Calculus and Descriptive Geometry	4
MATH 242	Differential Equations	4
MATH 318	Advanced Engineering Math	4
CSC 332	Numerical Methods (Ordinary Differential Equations)	3
CSC 333	Numerical Analysis (Partial Differential Equations)	3

Chemistry and Biology

CHEM 321	General Chemistry I	4
CHEM 322	General Chemistry II	4
BIO 110	Applied Biology	4

Other Courses    103

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Total Credits    257

CALIFORNIA POLYTECHNIC STATE UNIVERSITY  
San Luis Obispo, California

APPLICATION FOR GRADUATION

DATE: October 24, 1973

Name as student wants it to appear on the diploma:

Ronald Dean Kriz  
First Name Middle Name or Initial Last Name

Permanent Number (84306) Date of Birth 8/7/48

Application is made for B. S. Degree Certificate in Aeronautical Engineering

to be awarded at the close of winter quarter 1973-74 (school year).

REMAINING GRADUATION REQUIREMENTS

FALL QTR	WINTER QTR
Aero 415----- 3	Aero 401----- 4
Aero 240----- 2	Aero 462----- 2E
Aero 417----- 4	Aero 404----- <del>4</del>
Aero 408----- 4	

*one ✓  
no*

Total Units Attempted 25 1/2 DATE DEGREE AWARDED \_\_\_\_\_  
Total Units Completed 25 7/8 DATE DIP SENT/PICKED UP \_\_\_\_\_  
Total Grade Points 81 3/8 FINAL GPA \_\_\_\_\_ IBM \_\_\_\_\_  
\* Average at Cal Poly 3.23 DEGREE POSTED ON PRC \_\_\_\_\_  
\* Average Overall 3.20 Application issued by H. Hunter  
\* Average in Major 3.30  
\* Must have at least 2.0 in all classifications.

I acknowledge that it is my responsibility to complete all the courses above and I will notify the Records Office if any of these requirements are changed because of deviation, petition, additional transfer credit, challenge or for any other reason.

Student's Signature Ronald D. King

Dept. Heads' Approval [Signature] (Signature)

(Second Major Signature)

Placement Office (Adm. 213) Susan Fleming (Signature)

**CALIFORNIA POLYTECHNIC STATE UNIVERSITY**  
SAN LUIS OBISPO, CALIFORNIA

NAME: KRIZ RONALD DEAN  
 MAJOR: AERONAUTICAL ENGR.  
 PERMANENT NUMBER: 68-4 B430  
 SEX: M BIRTH DATE: 08/07/43  
 DEGREE IS: DEGREE IS  
 1210 WEST 28TH STREET  
 LOS ANGELES, CALIFORNIA

ENTRIES SHOW QUARTER UNITS

ENTRY	SYSTEM	MAJOR	UNITS	GRADE POINTS
1	F	F	0	0
2	W	W	0	0
3	W	W	0	0
4	A	A	3	0
5	P	P	3	3

DEPARTMENT & NO.	COURSE TITLE	GRADE	UNITS	GRADE POINTS	DEPARTMENT & NO.	COURSE TITLE	GRADE	UNITS	GRADE POINTS
684 84306	FALL 68	A	1.0	4.0	684 84306	SUM 69	A	1.0	4.0
MP 141	MFG PROCESSES	B	3.0	9.0	CHEM 342	GLASSBLOWING	A	3.0	12.0
BI 110	APPL BIOLOGY	B	5.0	15.0	ME 211	ENGRING MECHS	B	4.0	12.0
MATH 117	MATH FOR ENGR	B	3.0	9.0	MATH 143	ANALYTIC CALC	B	1.0	3.0
AERO 124	POWR PLANTS	C	3.0	6.0	WM 141	MFG PROCESSES	B	4.0	12.0
ENG 105	FRESHMAN COMP	C	1.0	1.0	PHYS 132	GEN PHYSICS	C	3.0	9.0
PE 241	HANDBALL M				ECON 201	SURV OF ECON			

OVERALL	UNITS COMP.	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUR. G.P.A.
84	15.5	15.5	44.0	2.84	2.84

  

OVERALL	UNITS COMP.	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUR. G.P.A.
584 84306					
WTR 69					
CHEM 321					
MATH 141					
MP 142					
AERO 125					
PSY 202					
ENG 207					

OVERALL	UNITS COMP.	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUR. G.P.A.
13	113.5	32.5	102.0	3.14	3.41

  

OVERALL	UNITS COMP.	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUR. G.P.A.
684 84306					
SPR 69					
AERO LAB					
ELECTRON LAB					
GEN PHYSICS					
GEN CHEMISTRY					
ANALYTIC CALC					
ELEM ELECTR					
MFG PROCESSES					

OVERALL	UNITS COMP.	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUR. G.P.A.
13	113.5	32.5	102.0	3.14	3.41

OVERALL	UNITS COMP.	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUR. G.P.A.
3.17	164.5	83.5	268.0	3.21	3.00

OVERALL	UNITS COMP.	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUR. G.P.A.
3.19	148.5	67.5	220.0	3.26	3.06

OVERALL	UNITS COMP.	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUR. G.P.A.
684	000084306	FALL 69			
MATH 242					
PHYS 133					
ME 212					
MATH 241					
AERO 301					

OVERALL	UNITS COMP.	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUR. G.P.A.
16.0	49.0				

OVERALL	UNITS COMP.	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUR. G.P.A.
16.0	48.0				

MARKS: AFTER JULY 1967 E GRADES NOT COMPUTED IN GPA  
 JAN 15 1971 MAY 6 1971  
 APR 26 1971  
 REGISTERED  
 A True Statement of the Official Record  
 SEP 14 1971  
 SEP 19 1968  
 JAN 2 1973

G.P.A. 000084306		WTR. 70		684 551--		WNTR71		59/3		1													
ENGR 250	PHIL 201	PHIL 202	AERO 207	MATH 318	AERO 252	EL 321	CSC 333	AERO 302	AERO 325	ELECTRONICS	NUMERC ANALYS	AERO THERMG	STRESS ANAL.	4.C	3.C	5.C	4.C	16.0	12.0	15.0	12.0		
1.0	3.0	3.0	5.0	4.0	1.0	4.0	12.0	9.0	15.0	8.0	32.0												
DIG COMP APPL		INTRODUCTION		LOGIC		STRENGTH MAT		ADV ENGR MATH		ENG PROB ANAL													
STR MAT LAB		MECH VIBRATION		NUMERICAL MET		ANAL COMP TEC		INTR CIRC ANA		CIRCUITS LAB													
STR MAT LAB		MECH VIBRATION		NUMERICAL MET		ANAL COMP TEC		INTR CIRC ANA		CIRCUITS LAB													
AERO 229		ME 316		CSC 332		A 322		EL 213		EL 253													
3.15		181.5		100.5		319.0		3.17		3.00		3.17		225.5		714.5		144.5		461.0		193.44	
684 000084306		SPR. 70										SPRG71										55.0	
AERO 229		ME 316		CSC 332		A 322		EL 213		EL 253												5.0	
AERO 303		AERO 306		ENG 219		EL 209																15.0	
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**UNIVERSITY OF CALIFORNIA STATE UNIVERSITY**  
SAN LUIS OBISPO, CALIFORNIA

NAME: KRIZ, RONALD DEAN  
 SEX: M BIRTH DATE: 8/7/48  
 MAJOR: AERONAUTICAL ENGINEERING  
 PERMANENT NUMBER: 551-84306  
 DEGREE (S):

SYSTEM	GRADE POINTS	MARKING SYSTEM	GRADE POINTS
1	4	F = Failure	0
2	3	W = Withdrawn Pending	0
3	2	WF = Withdrawn Failing	0
4	1	AU = Audit	0
5	0	P = Pending	0
6	0	ENTRIES SHOW QUARER	UNITS

DEPARTMENT & NO.	COURSE TITLE	GRADE	UNITS	GRADE POINTS
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**GRADING AND MARKING SYSTEM**  
Effective July 1, 1973

GRADE	GRADE POINTS	MARKING SYSTEM	UNITS	GRADE POINTS
A = Superior	4	W = Withdrawn	0	
B = Good	3	AU = Audit	0	
C = Acceptable	2	RD = Report Delayed	0	
D = Poor	1	SP = Satisfactory Progress	0	
F = Failure	0	CR = Credit	0	
I = Incomplete	0	NC = No Credit	0	

STUDENT PARTICIPATED IN A UNIVERSITY AND NORTH AMERICAN ROCKWELL SPONSORED INTERNSHIP PROGRAM FALL QUARTER 1972.

UNITS COMP.	UNITS ATT.	GRADE POINTS	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUM. G.P.A.
253.5	250.5	797.5	169.5	544.0	3.20	3.46
551.0	551.0	169.5	169.5	544.0	3.20	3.46
444		DESIGN LAB				
442		COMPRESS FLOW				
402		HUMN VLU ENGR				
462		SENIOR PROJ				
401		PROPL SYSTEMS				
1		WNTR73				
4.0	16.0					
4.0	12.0					
3.0	9.0					
2.0	8.0	FALL 73				
684	551.0					
AERO	240	ADD ENGR LAB				
AERO	415	STABILITY CONT				
AERO	408	ADV STRCT ANL				
AERO	417	STRUCT DYNAM				
1.0	4.0					
3.0	12.0					
4.0	12.0					
4.0	12.0					

UNITS COMP.	UNITS ATT.	GRADE POINTS	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUM. G.P.A.
253.5	250.5	797.5	169.5	544.0	3.20	3.46
551.0	551.0	169.5	169.5	544.0	3.20	3.46
445		DESIGN LAB				
463		UNDERGRAD SEM				
4.0	16.0					
2.0	8.0					
3.21	271.5	268.5	861.5	187.5	6.08	6.33
12.0	40.0					

YEAR ATTENDED	COLLEGE	UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS
TRANSFER UNITS ACCEPTED				

REMARKS: AFTER JULY 1967 E GRADES NOT COMPUTED IN G.P.A.

UNITS COMP.	UNITS ATT.	GRADE POINTS	UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUM. G.P.A.
259.5	256.5	821.5	175.5	568.0	3.23	4.00
6.0	24.0					

Printed Statement of the Official Record  
 Under Dismissal granted unless otherwise