

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

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----- 3
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 Dean

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

PERMANENT NUMBER

MAJOR: AERONAUTICAL ENGR.

68-4 B430

UNIV. SYSTEM CREDIT FORNIS WASH STATE GRADE POINTS
 Freshman 4
 Soph 3
 Junior 3
 Senior 3
 Average 3
 IPending 1
 Incomplete 0

W = Withdraw Pending
 WF = Withdraw Failing
 AU = Audit
 P = Passing

ENTRIES SHOW QUARTER UNITS

DEPARTMENT & NO. COURSE TITLE GRADE UNITS GRADE POINTS DEPARTMENT & NO. COURSE TITLE GRADE UNITS GRADE POINTS

FALL 68			SUM 69		
684 84306	MFG PROCESSES	4.0	684 84306	SUM 69	1
MP 141	APPL BIOLOGY	3.0	CHEM 342	GLASSBLOWING	A 1.0 4.0
SI0 110	MATH FOR ENGR	5.0	ME 211	ENGRING MECHS	A 3.0 12.0
MATH 117	POWR PLANTS	3.0	MATH 143	ANALYTIC CALC	B 4.0 12.0
AERO 124	FRESHMAN COMP	3.0	WM 141	MFG PROCESSES	B 1.0 3.0
ENG 105	HANDBALL M	3.0	PHYS 132	GEN PHYSICS	B 4.0 12.0
PE 241		1.0	ECON 201	SURV OF ECON	C 3.0 9.0

CAL POLY			CAL POLY		
OVERALL	UNITS ATT.	UNITS COMP.	UNITS ATT.	UNITS COMP.	UNITS ATT.
84	15.5	15.5	148.5	67.5	220.0
			3.19	148.5	67.5
					220.0
					13.26
					13.06

WTR. 69			FALL 69		
584 84306	GEN CHEMISTRY	4.0	MATH 242	MATH 242	16.0
CHEM 321	ANALYTIC CALC	4.0	PHYS 133	PHYS 133	16.0
MATH 141	MFG PROCESSES	1.0	ME 212	ENGRING MECHS	4.0
MP 142	MATERIALS FAB	3.0	MATH 241	ANALYTIC CALC	4.0
AERO 125	GENERAL PSYCH	3.0	AERO 301	AERO THERMO	4.0
PSY 202	INTRO LIT	2.0			
ENG 207					

CAL POLY			CAL POLY		
OVERALL	UNITS ATT.	UNITS COMP.	UNITS ATT.	UNITS COMP.	UNITS ATT.
13	113.5	32.5	164.5	83.5	268.0
			3.17	164.5	83.5
					268.0
					3.21
					3.00

SPR. 69			TRANSFER UNITS ACCEPTED		
684 84306	AERO LAB	3.0	1966-68	L.A. TRADE TECH. COLL	81.0
AE 126	ELECTRON LAB	1.0			
EL 141	GEN PHYSICS	4.0			
PHYS 131	GEN CHEMISTRY	4.0			
CHEM 322	ANALYTIC CALC	4.0			
MATH 142	ELEM ELECTR	2.0			
EL 101	MFG PROCESSES	1.0			
IE 141					

CAL POLY			CAL POLY		
OVERALL	UNITS ATT.	UNITS COMP.	UNITS ATT.	UNITS COMP.	UNITS ATT.

REMARKS: AFTER JULY 1967 E GRADES NOT COMPUTED IN GPA
 JAN 15 1971 MAY 6 1971
 APR 26 1971
 WITHDREW
 ENTERED
 SEP 14 1971
 SEP 19 1968
 JAN 2 1973

o True Statement of the Official Record
 Registrar

G.P.A.		UNITS COMP.	UNITS ATT.	GRADE POINTS	UNITS ATT.	GRADE POINTS	CUM.G.P.A.	CUR.G.P.A.
684	55168C973	WNTR71						
EL	321	ELECTRONICS	4.0	14.5	14.5	461.0	193.44	16.0
CSC	333	NUMERC ANALYS	12.0					5.0
AERO	302	AERC THERMG	9.0					4.0
AERO	325	STRESS ANAL	15.0					12.0
			8.0					
			3.0					
OVERALL			51.0	225.5	714.5	461.0	193.44	55.0
G.P.A.		UNITS COMP.	UNITS ATT.	GRADE POINTS	UNITS ATT.	GRADE POINTS	CUM.G.P.A.	CUR.G.P.A.
684	55168C973	SPRG71						
AERO	303	AERO THERMO	4.0					5.0
AERO	306	AERCDYNAMICS	12.0					5.0
ENG	219	TECH WRITING	9.0					3.0
EL	209	ELECTR DEVICE	9.0					
			9.0					
			3.0					
OVERALL			46.0	235.5	744.5	491.0	193.00	30.0
G.P.A.		UNITS COMP.	UNITS ATT.	GRADE POINTS	UNITS ATT.	GRADE POINTS	CUM.G.P.A.	CUR.G.P.A.
684	55168C973	SUNR71						
AERO	461	SENIOR PROJ	16.0					2.0
OVERALL			41.0	237.5	752.5	499.0	194.00	8.0
G.P.A.		UNITS COMP.	UNITS ATT.	GRADE POINTS	UNITS ATT.	GRADE POINTS	CUM.G.P.A.	CUR.G.P.A.
684	000084306	WTR. 70						
ENGR	250	DIG COMP APPL	1.0					
PHIL	201	INTRODUCTION	3.0					
PHIL	202	LOGIC	3.0					
AERO	207	STRENGTH MAT	5.0					
MATH	318	ADV ENGR MATH	4.0					
AERO	252	ENG PROB ANAL	1.0					
OVERALL			17.0	100.5	319.0	3.17	3.00	
G.P.A.		UNITS COMP.	UNITS ATT.	GRADE POINTS	UNITS ATT.	GRADE POINTS	CUM.G.P.A.	CUR.G.P.A.
684	000084306	SPR. 70						
AERO	229	STR MAT LAB	1.0					
ME	316	MECH VIBRATION	4.0					
CSC	332	NUMERICAL MET	3.0					
A	322	ANAL COMP TEC	3.0					
EL	213	INTR CIRC ANA	3.0					
EL	253	CIRCUITS LAB	1.0					
OVERALL			15.0	115.5	365.0	3.16	3.07	
G.P.A.		UNITS COMP.	UNITS ATT.	GRADE POINTS	UNITS ATT.	GRADE POINTS	CUM.G.P.A.	CUR.G.P.A.
684	55168C973	FALL70						
FRD	324	STRESS ANAL	4.0					
P	153	MFG PROCESSES	1.0					
ERJ	301	AERO THERMO	5.0					
M	301	THEORY MATRL	3.0					
OVERALL			13.0	128.5	659.5	400.0	161.15	
G.P.A.		UNITS COMP.	UNITS ATT.	GRADE POINTS	UNITS ATT.	GRADE POINTS	CUM.G.P.A.	CUR.G.P.A.

59/3
12

34 000084306

1

16.0
12.0
15.0
12.0

A
A
D
P

1
1
1
1

4.0
3.0
3.0
5.0
4.0
1.0

17.0

1.0
4.0
3.0
3.0
3.0
1.0

A
B
B
B
B
B

15.0

3.15
196.5
115.5
365.0
3.16
3.07

684
55168C973
FALL70

FRD
P
ERJ
M

13.0

659.5
128.5
400.0
161.15

684
55168C973
WNTR71

EL
CSC
AERO
AERO

51.0

4.0
12.0
9.0
15.0
8.0
3.0

17.0

1.0
4.0
12.0
9.0
9.0
3.0

A
B
B
B
B
B

46.0

3.16
238.5
235.5
744.5
154.5
491.0
193.00

684
55168C973
SUNR71

AERO

46.0

16.0
4.0
15.0
6.0

A

41.0

752.5
237.5
499.0
194.00

684
55168C973
WNTR71

ELECTRONICS
NUMERC ANALYS
AERC THERMG
STRESS ANAL

51.0

4.0
3.0
5.0
4.0

461.0

714.5
144.5
461.0

193.44

16.0

55.0

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

551-68-0973
684 84306

DEGREE (S)

SYSTEM	GRADE POINTS	MARKING SYSTEM	GRADE POINTS
1st	4	F = Failure	0
2nd	3	W = Withdrawn Pending	0
3rd	2	WF = Withdrawn Failing	0
4th	1	AU = Audit	0
5th	0	P = Pending	0

ENTRIES SHOW QUARTER UNITS

DEPARTMENT & NO.	COURSE TITLE	GRADE	UNITS	GRADE POINTS	DEPARTMENT & NO.	COURSE TITLE	GRADE	UNITS	GRADE POINTS
------------------	--------------	-------	-------	--------------	------------------	--------------	-------	-------	--------------

GRADING AND MARKING SYSTEM

Effective July 1, 1973

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

GRADING AND MARKING SYSTEM

GRADE	GRADE POINTS	MARKING SYSTEM	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

551680973	WNTR73	1	4.0	16.0	A	DESIGN LAB	CAL POLY	UNITS ATT.	GRADE POINTS	CUM.G.P.A.
444	COMPRESS FLOW	4.0	12.0	B				3.20	3.46	
402	HUMN VLU ENGR	3.0	9.0	WB						
462	SENIOR PROJ	2.0	8.0	FA						
401	PROPL SYSTEMS			W						
OVERALL										
253.5	250.5	797.5	169.5	544.0	3.20	3.46				

551680973	SPRG73	1	4.0	16.0	A	DESIGN LAB	CAL POLY	UNITS ATT.	GRADE POINTS	CUM.G.P.A.
445	UNDERGRAD SEM	2.0	8.0	A						
OVERALL										
259.5	256.5	821.5	175.5	568.0	3.23	4.00				

551680973	FALL 73	1	4.0	16.0	A	ADD ENGR LAB	CAL POLY	UNITS ATT.	GRADE POINTS	CUM.G.P.A.
AERO	240	4.0	16.0	A						
AERO	415	2.0	8.0	A						
AERO	408			B						
AERO	417			B						
OVERALL										
3.21	271.5	268.5	861.5	187.5	6.08	0.3.24	3.33	12.0	40.0	

TRANSFER UNITS ACCEPTED

YEAR ATTENDED	COLLEGE	UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS

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

Print Statement of the Official Record
Print Statement of the Official Record