

**Summary of Air Conditioning Enrollments,
Progression through Sequence, and Awards Given**

prepared by David Torres,
District Dean, Institutional Research

Background

Institutional Research received a request to examine enrollments in the Air Conditioning discipline. Using the student enrollment files, below is a table illustrating the enrollments in the AIR discipline, from fall 1998 through Spring 2007. (Courses numbered 100 and higher are excluded from this analysis as they only constituted 55 enrollments.) The two most popular courses are AIR-50A and AIR-53A, Air Conditioning and Refrigeration and Basic Electricity for Air Conditioning and Refrigeration, respectively.

Year	Term	AIR-50A	AIR-50B	AIR-51A	AIR-51B	AIR-53A	AIR-60	Grand Total
1998	Fall	95	30	32		53	30	240
1999	Spring	37	25		36	45	30	173
1999	Summer	19						19
1999	Fall	90	22	19		50	16	197
2000	Winter						19	19
2000	Spring	33	20		21	39		113
2000	Summer	18						18
2000	Fall	72	16	25		27	17	157
2001	Winter						21	21
2001	Spring	42	27		30	39	16	154
2001	Summer	20						20
2001	Fall	71	27	24		29	16	167
2002	Winter						17	17
2002	Spring	37	24		22	43	21	147
2002	Summer	30						30
2002	Fall	72	25	30		33	18	178
2003	Winter						20	20
2003	Spring	29	20		23	30		102
2003	Summer	24						24
2003	Fall	44	27	21		22		114
2003	Winter							
2004	Spring	43	24		25	23		115
2004	Summer	19						19
2004	Fall	34	19	14		40		107
2005	Winter						10	10
2005	Spring	54	19		16	20		109
2005	Summer	12						12
2005	Fall	43	20	25		31		119
2006	Winter	2					1	3
2006	Spring	47	21		20	22		110
2006	Summer	16						16
2006	Fall	48	17	22		41		128
2007	Winter	19					12	31
2007	Spring	59	29		21	32		141
Total		1129	412	212	214	619	264	2850

Progression through the AIR sequence:

According to the RCCD Catalogue, the sequence for a certificate in Air Conditioning and Refrigeration consists of the following requirements:

AIR CONDITIONING & REFRIGERATION

AIR CONDITIONING & REFRIGERATION AS596/CE596

CERTIFICATE PROGRAM

Required Courses (28-29 units)		Units
AIR-50A	Air Conditioning and Refrigeration	5
AIR-50B	Advanced Refrigeration	5
AIR-51A	Environmental Control	5
AIR-51B	Industrial Commercial Refrigeration	5
WEL-34	Metals Joining Processes	2
Group A	Electives (Choose one course from list below)	4
Group B	Electives (Choose one course from list below)	2-3

Group A Electives

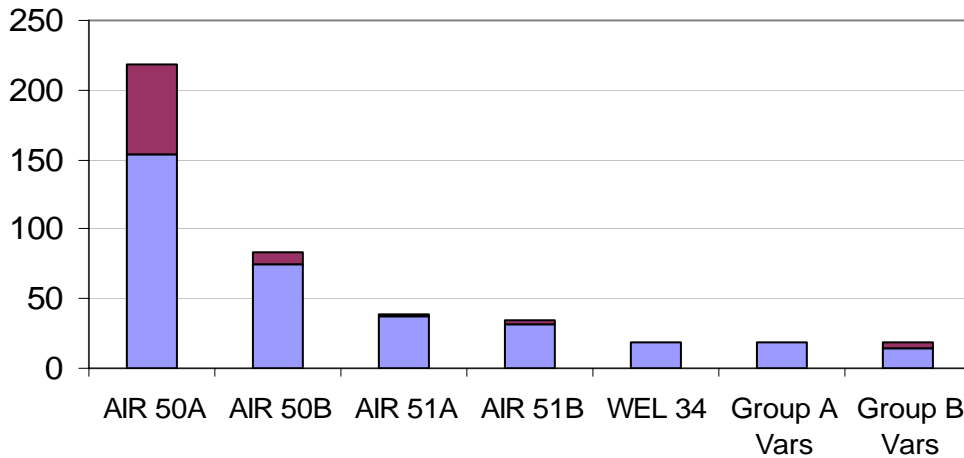
AIR-53A	Basic Electricity for Conditioning and Refrigeration	4
ELE-10	Survey of Electronics	4
ELE-21	DC-AC Electronics	4

Group B Electives

CON-62	Blueprint Reading	3
ENE-51	Blueprint Reading	2

To determine the extent of students taking the courses in this sequence, a cohort of students were followed if they took the initial offering between Fall 2002 and Summer 2004.

Progression through Air Condition and Refrigeration Sequence*



The chart above shows the counts of students who attempted AIR 50A (during the fall 2002 through summer 2004 terms, in purple) and the number successful in blue. The table below gives the actual counts

	Attempted	Passed	Success
AIR 50A	219	154	70%
AIR 50B	83	74	89%
AIR 51A	39	38	97%
AIR 51B	34	32	94%
WEL 34	18	18	100%
Group A Vars	18	18	100%
Group B Vars	18	15	83%

Actual Counts of Program Grads

Program Awards by Academic Year

Count

		sp02 STUDENT PROGRAM AWARD		Total
		L CERT FROM 18 < 30 UNITS	S ASSOCIATE OF SCIENCE(A.S)	
AY	2004-05	16	1	17
	2005-06	5	1	6
	2006-07	7	4	11
Total		28	6	34

Please review these figures and please contact me if you need more information / analysis