

Appendix 1-E APS Longitudinal Cohort Demographics Table

This table presents status and demographic details for each ID number issued in the APS Longitudinal Cohort. Data in the table was obtained from the following sources:

- Citizenship status was determined from PIE survey responses. In two cases, different responses were recorded at different time points, and these are explained in the far right column. Citizenship was asked on surveys #1, #4 and #7.
- Ethnicity was determined from PIE responses. In cases where different responses were recorded at different time points, the earliest response was used. Ethnicity was asked on surveys #1, #4 and #7.
 - Survey 1 response was used if subject started the study in Year 1.
 - Survey 4 response was used if subject started the study in Year 2, or did not respond to the ethnicity question on survey 1.
- The year in which students left the study was determined from the date of the last piece of data we collected for that student.
- Engineering Persistence was determined from the major listed on the last academic transcript supplied to APS, or from records supplied by the department or institution if transcripts were not available or complete.
 - Persister = documented engineering major
 - Non-persister = documented non-engineering major OR interview data (exit interview or regular APS interview) where subject states he/she will not pursue engineering. Non-persisters had an interest in an engineering major upon enrolling in University.
 - Lost to follow-up = did not complete APS and major status not known
- Year 4 Transcripts were supplied by the institutions.
- Last Recorded Major was determined from transcripts, if available, or from official department or school records

A key to notations in the table is included on the last page.

	Study Group	Citizen	Initial Ethnicity (Year 1-2)	Left study after...	Exit Interview	Eng. Persis. Status	Year 4 Transcript	Last recorded major	
SCH1STU01	M	1	W	Y3		LTF		ME	
SCH1STU02	L	1	Asian			P	1	ChemE	
SCH1STU03	L	1	W			P	1	ChemE	
SCH1STU04	H	1	Mex			P	1	Metal-MatE	
SCH1STU05	H	1	W			P	1	ChemE	
SCH1STU06	L	1	W			P	1	ChemE	
SCH1STU07	M	1	Multi			P	1	EnvironE	
SCH1STU08	H	1	W			P	1	EPhysics	
SCH1STU09	L	1	W			P	1	GeophysE	
SCH1STU10	L	1	W			P	1	ME	
SCH1STU11	L	1	W			P	1	ChemE	
SCH1STU12	M	1	Asian	Y3	1	NP		EE	transcript in DB altho student dropped out of stu
SCH1STU13	L	1	W			P	1	ME	
SCH1STU14	L	1	W	Y1		NP		n/a	
SCH1STU15	H	1	W			P	1	CivilE	
SCH1STU16	L	1	W			P	1	ChemE	
SCH1STU17	L	1	W			P	1	CivilE	
SCH1STU18	L	1	W			P	1	ME	
SCH1STU19*	L	1	Mex			P	1	ChemE	
SCH1STU20	M	1	W		1	P	0	Metal-MatE	sabbatical during Y4; not exiting eng. despite ex
SCH1STU21*	L	1	W			P	1	ME	
SCH1STU22	H	1	W			P	1	PetrE	
SCH1STU23	M	1	W	Y1	1	NP		n/a	
SCH1STU24	L	1	W			P	1	PetrE	
SCH1STU25	L	1	W			O	1	Math-CS	
SCH1STU26	M	1	Multi			P	1	ME	
SCH1STU27*	L	1	Other			P	1	PetrE	
SCH1STU28	L	1	W			P	1	PetrE	
SCH1STU29	L	1	Asian			P	1	ChemE	
SCH1STU30	M	1	Multi			P	1	EPhysics	
SCH1STU31*	L	1	W			P	1	PetrE	

SCH1STU32	L	1	W			P	1	PetrE	
SCH1STU33	L	1	W			P	1	ME	
SCH1STU34	L	1	W			P	1	CivilE	
SCH1STU35	L	1	Multi	Y3		LTF		EPhysics	
SCH1STU36	L	1	Multi	Y1		NP		n/a	transcript in DB altho student dropped out of stu
SCH1STU37*	L	1	Mex			O	1	Math-CS	
SCH1STU38	H	1	Asian			P	1	ME	
SCH1STU39	H	1	W	Y2	1	NP		EE	
SCH1STU40	L	1	Multi	Y2		NP		Math+CS	
SCH1STU41	H	1	W			P	1	Metal-MatE	
SCH1STU42	L	1	W	Y1		NP		n/a	transcript in DB altho student dropped out of stu
SCH1STU43	L	1	W			P	1	Metal-MatE	
SCH1STU44	M	1	W			P	1	PetrE	
SCH1STU45	L	1	Mex	Y1		NP		n/a	transcript in DB altho student dropped out of stu
SCH2STU01	M	0	AA	Y1		LTF		ME	
SCH2STU02*	L	0	AA			P	1	EE	
SCH2STU03	M	0	AA			P	1	EE	
SCH2STU04*	L	1	AA			P	1	EE	
SCH2STU05	L	1	AA	Y1	1	NP		Accounting	
SCH2STU06*	L	1	AA	Y3	1	NP		ME	
SCH2STU07*	L	1	Other	Y3		LTF		Sys-CS	
SCH2STU08	L	1	AA			P		ChemE	
SCH2STU09*	L	0	AA			P	1	ME	
SCH2STU10	H	1	AA			P	1	ChemE	
SCH2STU11	H	0	AA			P		EE	
SCH2STU12	H	0	AA			P	1	Sys-CS	
SCH2STU13	H	1	AA	Y2		LTF		CompE	
SCH2STU14	L	0	Other			P		Sys-CS	graduated early (May 2006)
SCH2STU15	M	1	AA	Y1		NP		Hlth Mgt	
SCH2STU16									Did not complete survey #1
SCH2STU17	L	1	AA	Y1		LTF		CompE	
SCH2STU18	M	1	AA			P	1	CompE	
SCH2STU19									Did not complete survey #1
SCH2STU20									Did not complete survey #1
SCH2STU21	L	1	AA	Y2		LTF		ME	
SCH2STU22*	L	0	Other			P	1	EE	

SCH2STU23	L	0	Multi			P	1	EE	
SCH2STU24*	L	0	AA			P	1	EE	
SCH2STU25*	L	0	Other			P	1	EE	
SCH2STU26*	L	0	Multi			P	1	EE	
SCH2STU27	L	0	AA	Y1		NP		Accounting	
SCH2STU28*	L	1	AA			P	1	EE	
SCH2STU29	L	1	AA	Y1		LTF		n/a	
SCH2STU30*	L	1	AA			LTF		EE	
SCH2STU31*	L	1	AA			P	1	Sys-CS	no major on final transcript; all prior were Comp
SCH2STU32	L	1	AA			P		ME	
SCH2STU33	H	1	AA	Y2		LTF		CompE	
SCH2STU34	H	0	AA			P	1	EE	
SCH2STU35	H	0	AA			P	1	Sys-CS	
SCH2STU36	H	1	Multi			P	1	CivilE	
SCH2STU37	M	1	AA	Y2	1	NP		AfrAmStudies	
SCH2STU38	M	0	AA			P	1	ME	
SCH2STU39	M	0	Other			P	1	ME	
SCH2STU40	L	0	Other	Y1	1	NP		Accounting	
SCH2STU41	L	0	AA	Y2		LTF		ME	
SCH2STU42	L	0	Other	Y3		LTF		ChemE	
SCH2STU43	L	0	AA	Y2		LTF		ChemE	
SCH2STU44	M	1	AA			P	1	EE	
SCH2STU45	L	1	AA	Y1	1	NP		Radio,TV,Film	
SCH2STU46	L	1	AA			P	1	CompE	
SCH2STU47	L	1	AA			P	1	CivilE	
SCH2STU48	L	1	AA	Y3		P		Sys-CS	Not enrolled Spring 06-Winter 08; returned Spring
SCH2STU49	L	1	AA	Y3		P		Sys-CS	
SCH2STU50									Did not complete survey #1
SCH2STU51	L	1	AA	Y3		P		Sys-CS	
SCH2STU52	L	1	AA	Y2	1	NP		InfoSys+Anal	
SCH3STU01	H	0	Asian			P	1	CivilE	
SCH3STU02	H	1	Mex			P	1	Eng	
SCH3STU03	H	0	W		1	NP	1	Math-CmptnlSc	
SCH3STU04	H	1	W			NP	1	HumBio	
SCH3STU05	M	1	AA			NP	1	Ling	

SCH3STU06	L	1	Asian		P	1	Eng	
SCH3STU07	M	0	Other		P	1	CivilE	
SCH3STU08	L	1	Other		P	1	MgtSciE	
SCH3STU09	M	1	W		P	1	ChemE	
SCH3STU10	M	1	W		P	1	EE	
SCH3STU11	L	1	W		P	1	ChemE	
SCH3STU12	L	1	Multi		P	1	EE	
SCH3STU13	H	1	AA		P	1	ChemE+Span	
SCH3STU14	H	1	Asian		P	1	EE	
SCH3STU15	H	1	W	1	NP	1	Physics	
SCH3STU16	H	1	W		O		n/a	left school to work at a start-up; remained in stu
SCH3STU17*	L	1	Multi		P	1	CS	
SCH3STU18	L	1	AA		P	1	Eng	
SCH3STU19	L	1	AA		P	1	MgtSciE	
SCH3STU20	L	1	Multi	1	NP	1	SymbSys	
SCH3STU21	M	1	AA		P	1	CivilE	
SCH3STU22	L	1	Multi	1	NP	1	Int.Rel.	
SCH3STU23	M	1	Asian	1	NP	1	Phil.	
SCH3STU24	L	1	Multi		P	1	CS+Hist	
SCH3STU25	L	0	Other	1	NP	1	Math- CmptnlSc	
SCH3STU26	L	0	Other	1	NP	1	Econ	
SCH3STU27	L	0	Asian		P	1	EE	
SCH3STU28	L	1	Asian	1	NP	1	SymbSys	
SCH3STU29	M	1	Asian		P	1	EE	
SCH3STU30	L	1	Asian		P	1	Eng	
SCH3STU31	L	1	W		P	1	EE	
SCH3STU32	L	1	W		P	1	CS	
SCH3STU33	L	1	W	1	NP	1	SymbSys	
SCH3STU34	L	1	W		P	1	CS	
SCH3STU35	M	1	W		P	1	ME	
SCH3STU36	L	1	W		P	1	CS	
SCH3STU37	L	1	W		P	1	ME	
SCH3STU38	L	1	W		P	1	ME	
SCH3STU39	L	1	W		P	1	Eng	
SCH3STU40	L	1	W	Y2 1	NP		SymbSys	

SCH3STU41	L	1	W		1	NP		Physics	
SCH4STU01	H	1	Multi			P	1	ChemE	
SCH4STU02	H	1	Asian	Y2	1	NP		Mktg	
SCH4STU03	H	1	Mex			P	1	TechCom	Technical Communications
SCH4STU04	M	0	Asian			P	1	CS	
SCH4STU05	L	1	Asian			P	1	ChemE	
SCH4STU06	M	1	W			P	1	CivilE	
SCH4STU07	L	0	Asian			P	1	ComputerE	
SCH4STU08	H	1	W	Y3		NP		Micro	transcript in DB altho student left study
SCH4STU09	L	1	W			P	1	ChemE	
SCH4STU10	M	1	W			P	1	ChemE	
SCH4STU11	M	1	Multi			P	1	MSE	
SCH4STU12	L	1	W			P	1	ME	
SCH4STU13	L	1	W			P	1	CivilE	
SCH4STU14	L	1	Multi			P	0	MSE	no transcript but complete data set; graduat'n confirmed from school records
SCH4STU15	L	1	Asian	Y1		LTF		PreE	
SCH4STU16	L	1	Asian	Y2	1	NP		PoliSci	
SCH4STU17	L	1	Asian			P	1	CE	Citizen in 07, resident in 05, grn card in 04
SCH4STU18	H	1	Asian			P	1	IE	
SCH4STU19	H	1	W	Y2		LTF		PreE	
SCH4STU20	H	1	W			P	1	ME	
SCH4STU21	H	1	W			P	1	EE	
SCH4STU22	M	0	Lat			P	1	IE	
SCH4STU23	M	1	Asian			P	1	ComputerE	
SCH4STU24	M	1	W			P	1	ComputerE	
SCH4STU25	L	1	W			P	1	ComputerE	
SCH4STU26	L	1	W			P	1	AAE	
SCH4STU27	L	1	W			P	1	ME	
SCH4STU28	M	1	W			P	1	AAE	
SCH4STU29	L	1	W			P	1	EE	left ethnicity blank in Y1 but not Y2
SCH4STU30	L	1	W			P	1	ChemE	
SCH4STU31	L	1	W			P	1	ME	
SCH4STU32	L	1	W			P	1	ME	
SCH4STU33	L	1	Asian			P	0	AAE	no transcript but complete data; '07 graduat'n in confirmed from school records
SCH4STU34	L	0	Asian			P	1	IE	Resident in 05, green card in 04, 07

SCH4STU35	L	1	Asian	Y3	1	NP		Econ+Bio	transcript in DB altho student left study
SCH4STU36	L	1	Asian			P	1	AAE	
SCH4STU37	L	1	W	Y3	1	NP		Info	
SCH4STU38	L	1	Asian	Y3	1	NP		Entre	
SCH4STU39	L	1	W			P	1	ME	
SCH4STU40	L	1	Asian			P	1	ComputerE	

KEY

* added late (Y2)

1=Yes, 0=No

L=Low Contact

M=Med Contact

H=High Contact

Race/ethnicity

AA= African American

Nat = Native American including Native Alaskan

Asian

Pac = Pacific Islander or Native Hawaiaan

Puerto Rican

Mex = Mexican

Lat = Other Latino

W = White

Other = other race/ethnicity

Multi = multiple races/ethnicities

Initial ethnicity response is used when different response was given later.

P (Persister) = subjects with documented engineering major at end of Y4 (from academic transcript or from department) regardless of whether or not they supplied Y4 data

N (Non-persister) = subjects with documented non-engineering major OR who completed an exit interview or reported during a regular interview that they would not pursue an engineering major

O (other) = subjects meeting neither persister nor non-persister criteria

L (Lost to follow-up) = did not complete APS; reason unknown; may have left the insitution