

Towards Improving Student Retention and Graduation Rates

Academic Program
Improvement Project
Office of the University
Registrar
UP Diliman

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Project Support Staff

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Objectives

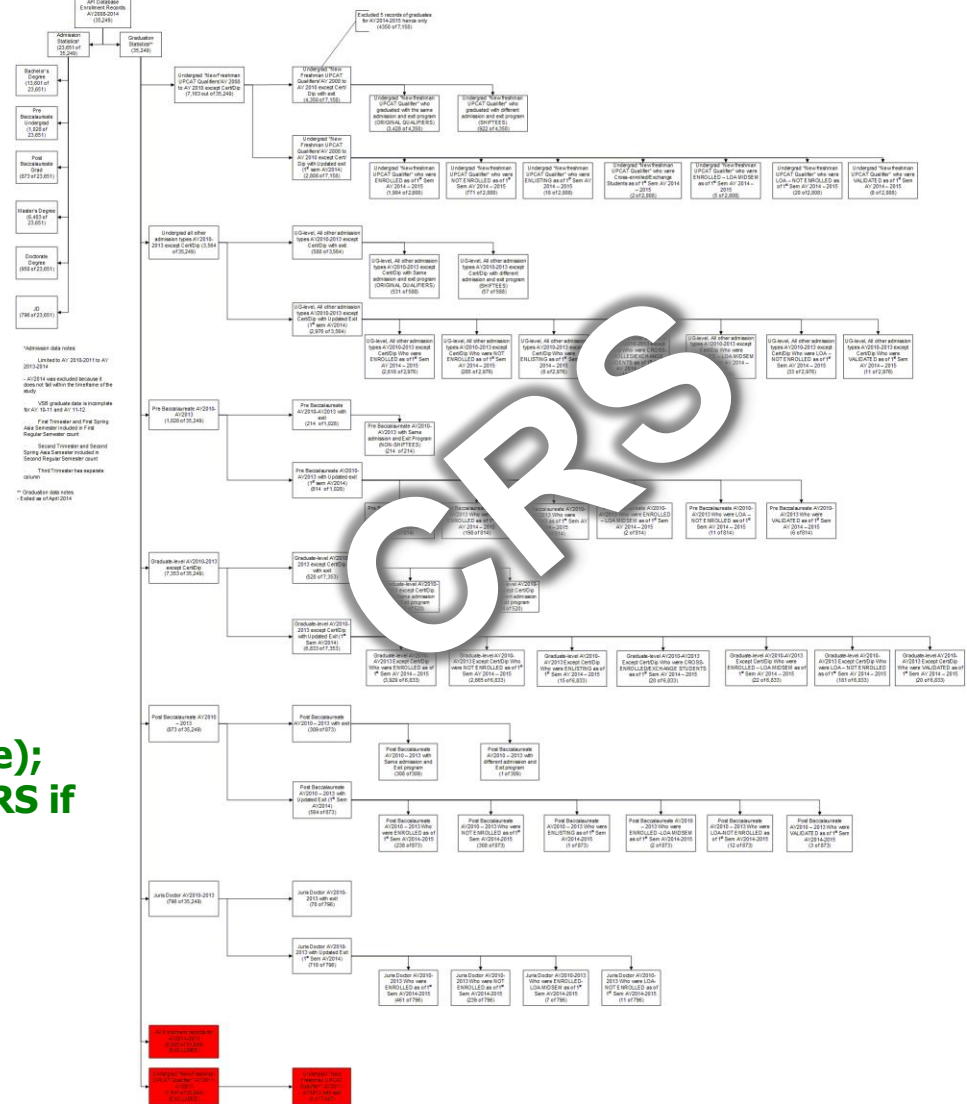
The project aimed at gathering the following information of students enrolled in AY 2008-2014 per degree program:

- admission
- enrollment
- progress
- graduation, including general weighted average (GWA) upon exit
- licensure exam performance

The project also embarked on a tracer study to identify career tracks after graduation, pursuit of advanced degrees, industry presence through nature of work and incidence of moving abroad either on the short and medium term or eventual migration.

Data Framework

Conceptual Data Framework



1 CRS Data Enrollment Records

2 Admission Admission Info; not necessarily with exit

3 Progress/ Graduation

Includes exit (graduation or otherwise); Admission record not necessarily in CRS if admitted earlier than 2008

Admission Data Framework

Admission Admission Data Notes

Data limited to AY 2010-2011 until AY 2013-2014

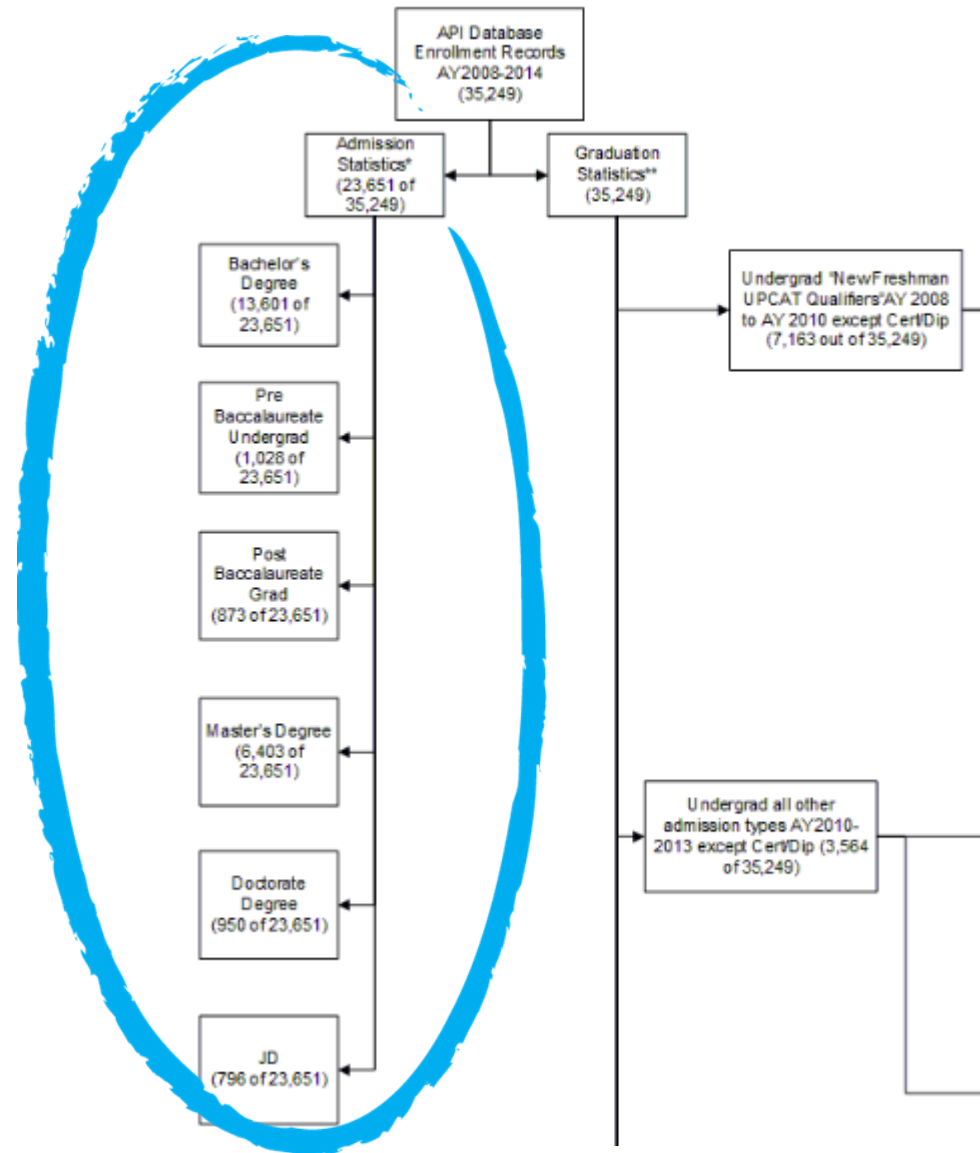
- AY 2014-15 was excluded because it is beyond the time frame of the study.
- Admissions in AY 2008-2009 and 2009-2010 were not analyzed since they are not exhaustive (only fields for UPCAT freshmen are populated with extent)

VSB graduate data was incomplete for AY 2010-2011 and AY 2011-2012.

Admission information in the First Trimester and First Spring Asia Semester are included in the First Regular Semester count.

Admission information on the Second Trimester and Second Spring Asia Semester were included in the Second Regular Semester count.

Third trimester data are counted separately but included in the academic year count.

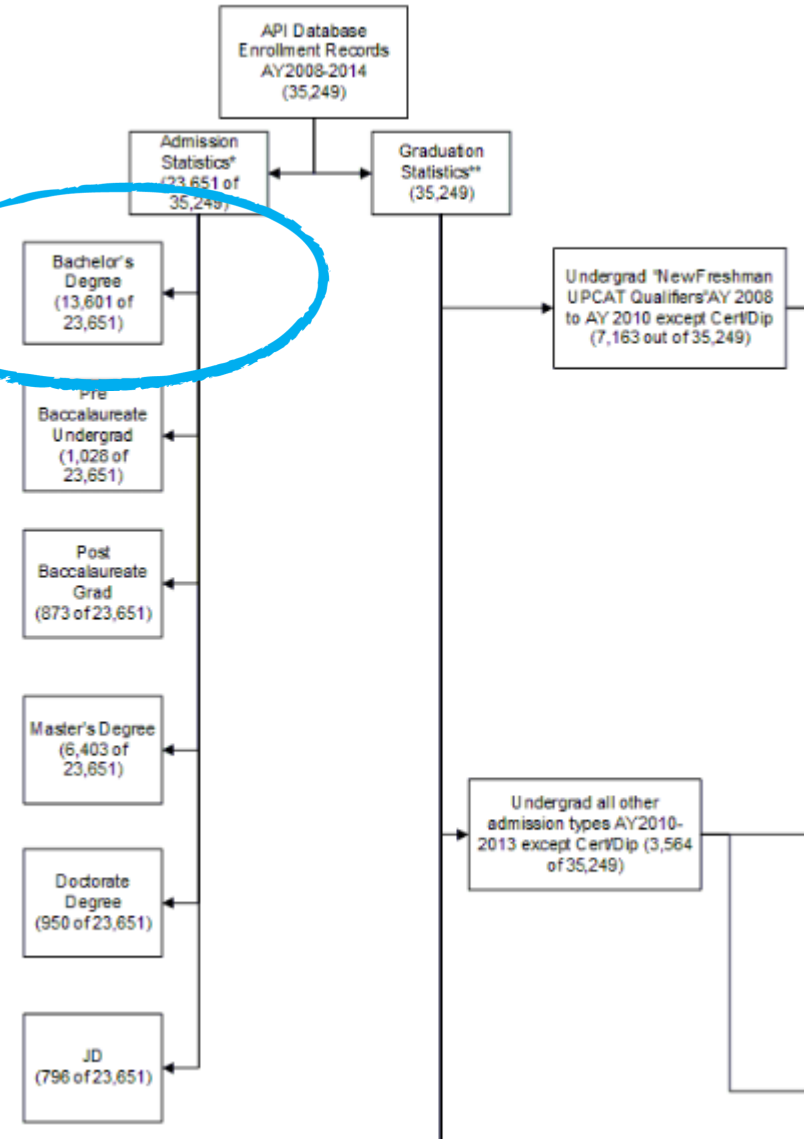


Admission Data Framework

Admission Admission Data Notes

Data limited to AY 2010-2011 until AY 2013-2014

57.5% in Bachelor's Degree



Admission Data Framework

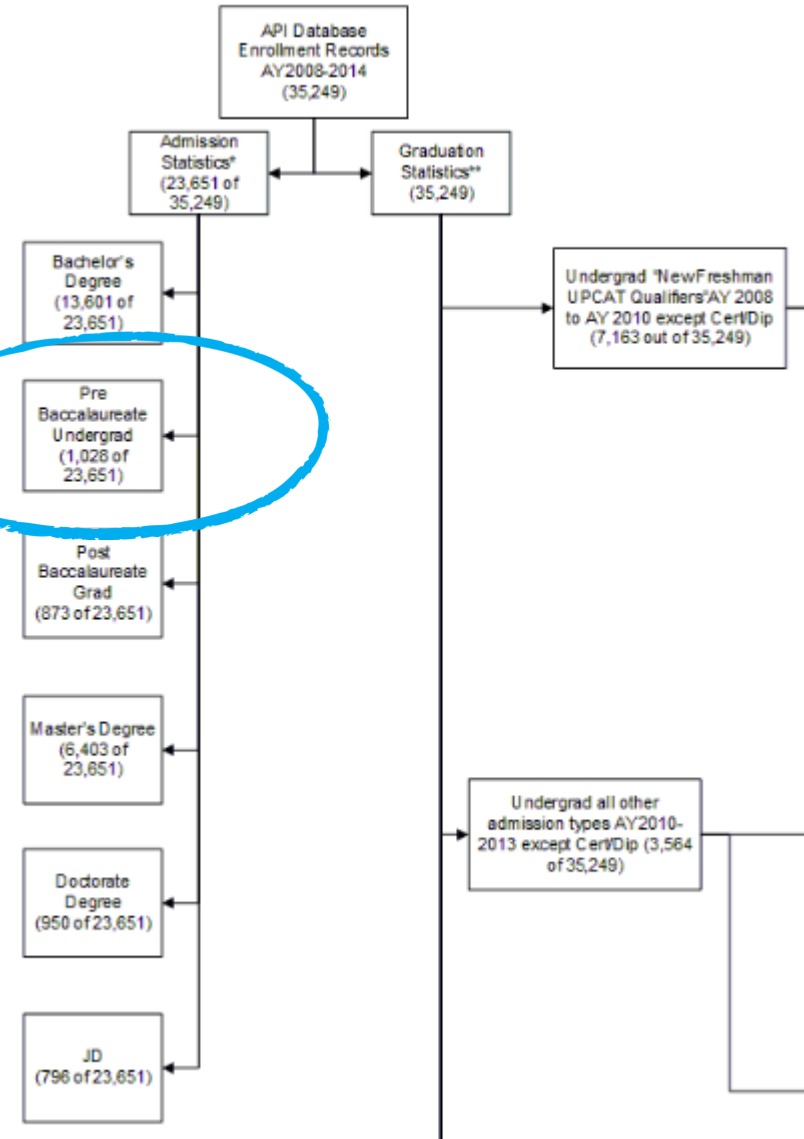
Admission

Admission Data Notes

Data limited to AY 2010-2011 until AY 2013-2014

57.5% in Bachelor's Degree

4.3% in Pre-Baccalaureate (UG)



Admission Data Framework

Admission

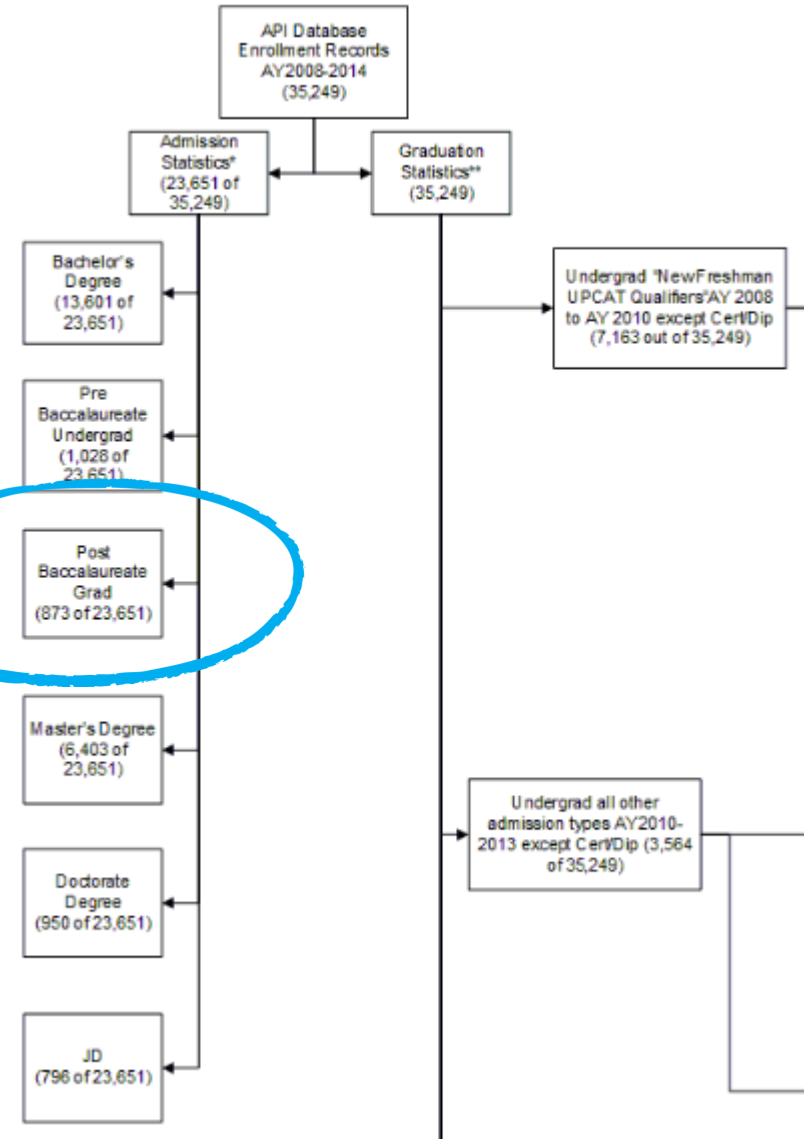
Admission Data Notes

Data limited to AY 2010-2011 until AY 2013-2014

57.5% in Bachelor's Degree

4.3% in Pre-Baccalaureate (UG)

3.7% in Post-Baccalaureate (G)



Admission Data Framework

Admission

Admission Data Notes

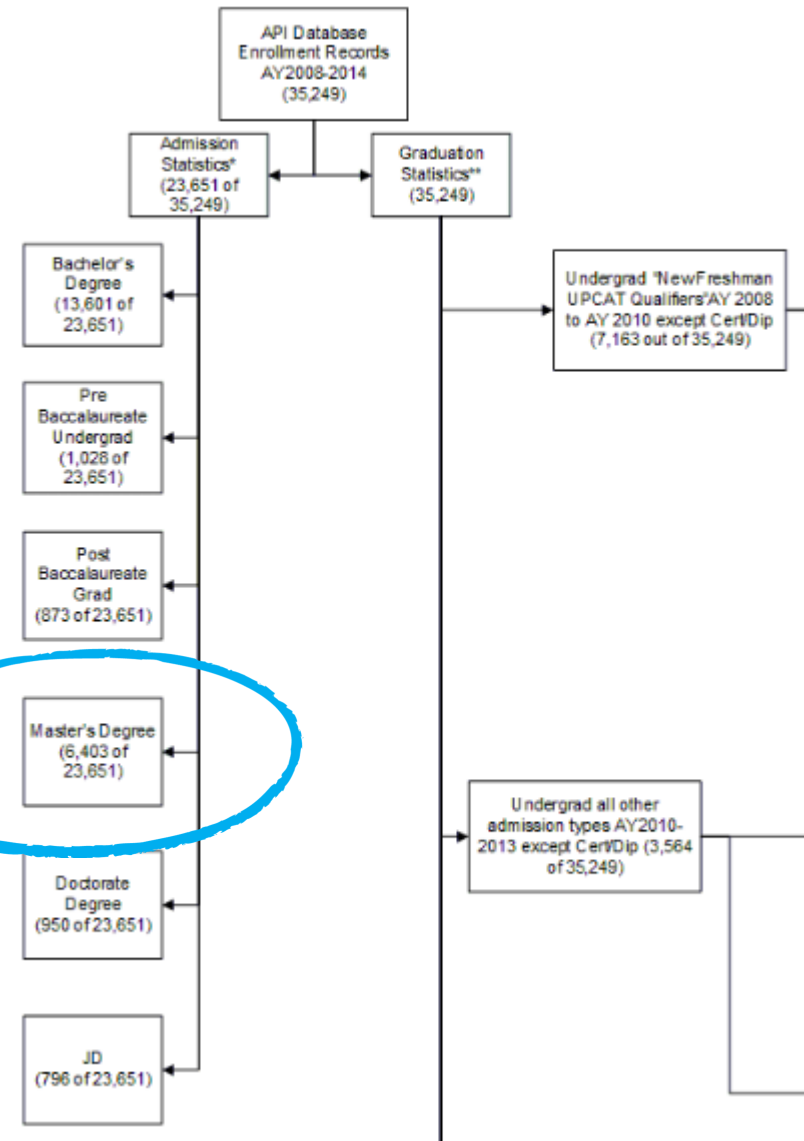
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57.5% in Bachelor's Degree

4.3% in Pre-Baccalaureate (UG)

3.7% in Post-Baccalaureate (G)

27.1% in the Masteral programs



Admission Data Framework

Admission

Admission Data Notes

Data limited to AY 2010-2011 until AY 2013-2014

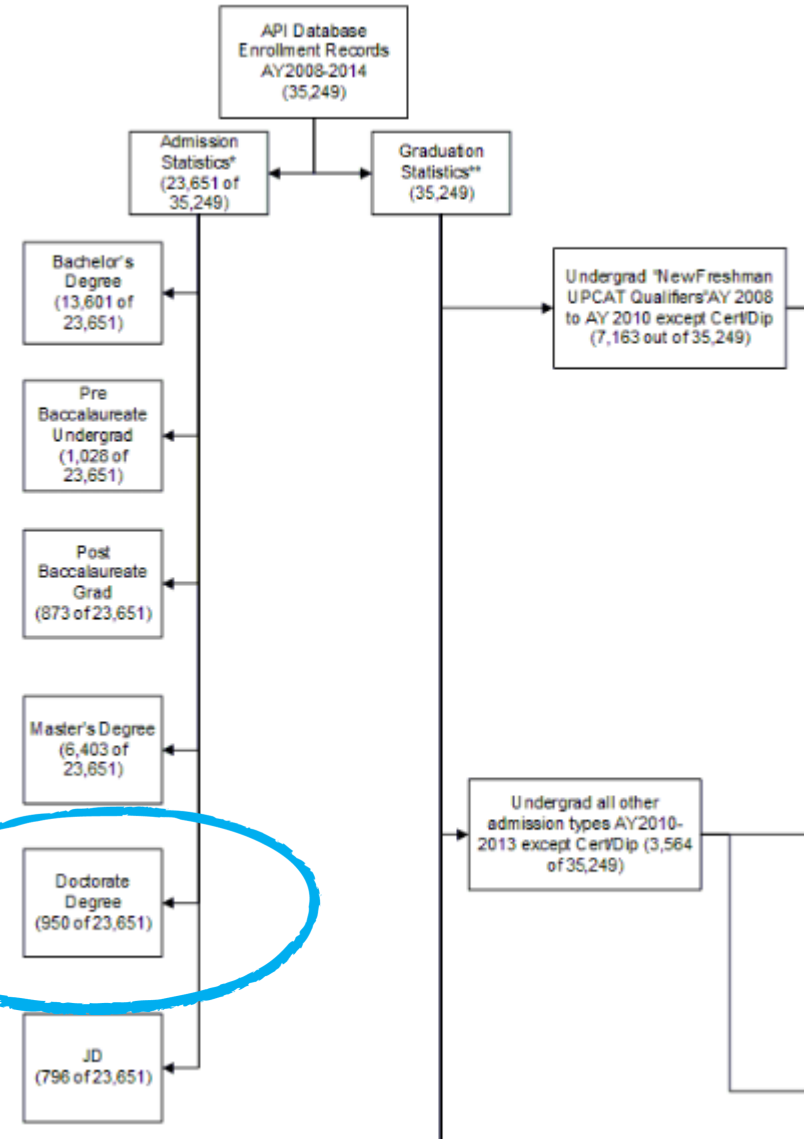
57.5% in Bachelor's Degree

4.3% in Pre-Baccalaureate (UG)

3.7% in Post-Baccalaureate (G)

27.1% in the Masteral programs

4.0% in Doctoral programs



Admission Data Framework

Admission

Admission Data Notes

Data limited to AY 2010-2011 until AY 2013-2014
(n = 23,651)

57.5% in Bachelor's Degree

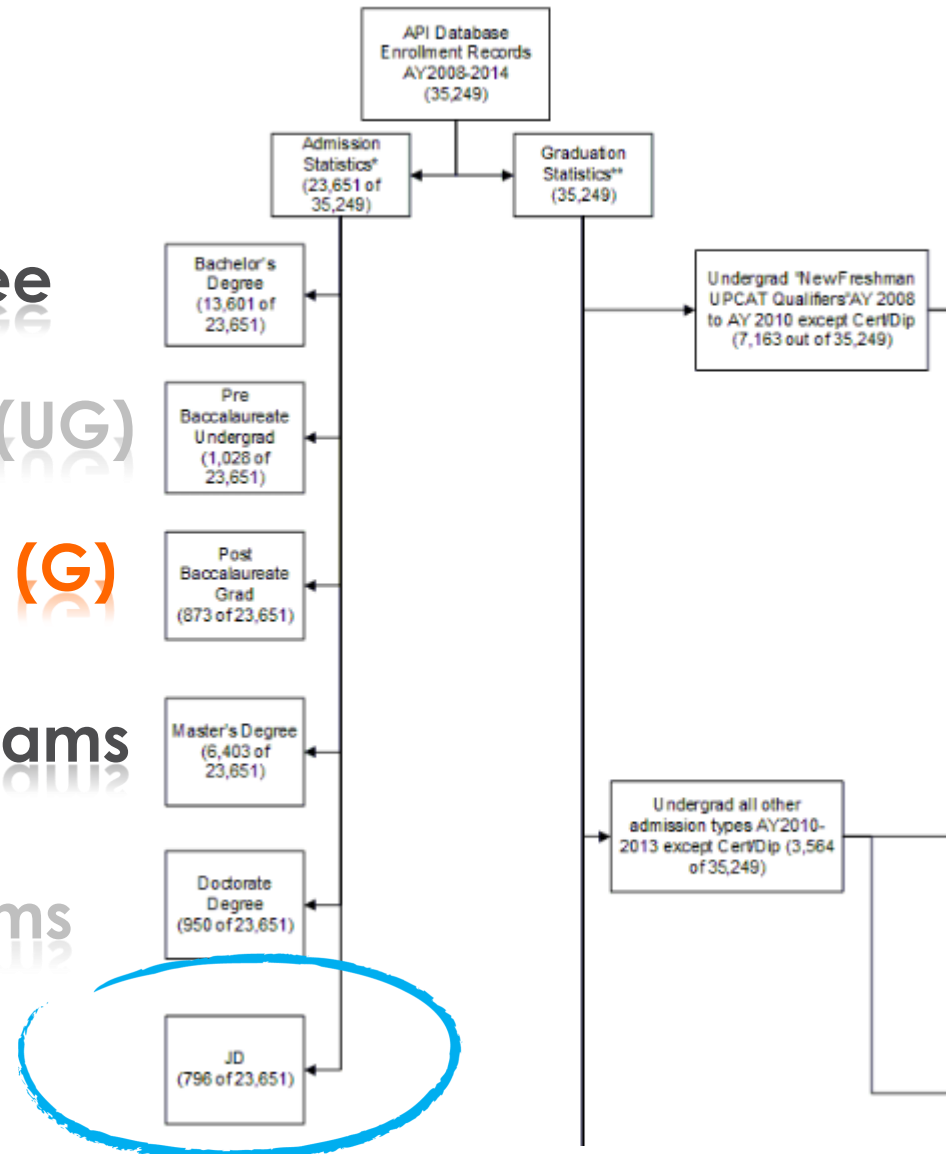
4.3% in Pre-Baccalaureate (UG)

3.7% in Post-Baccalaureate (G)

27.1% in the Masteral programs

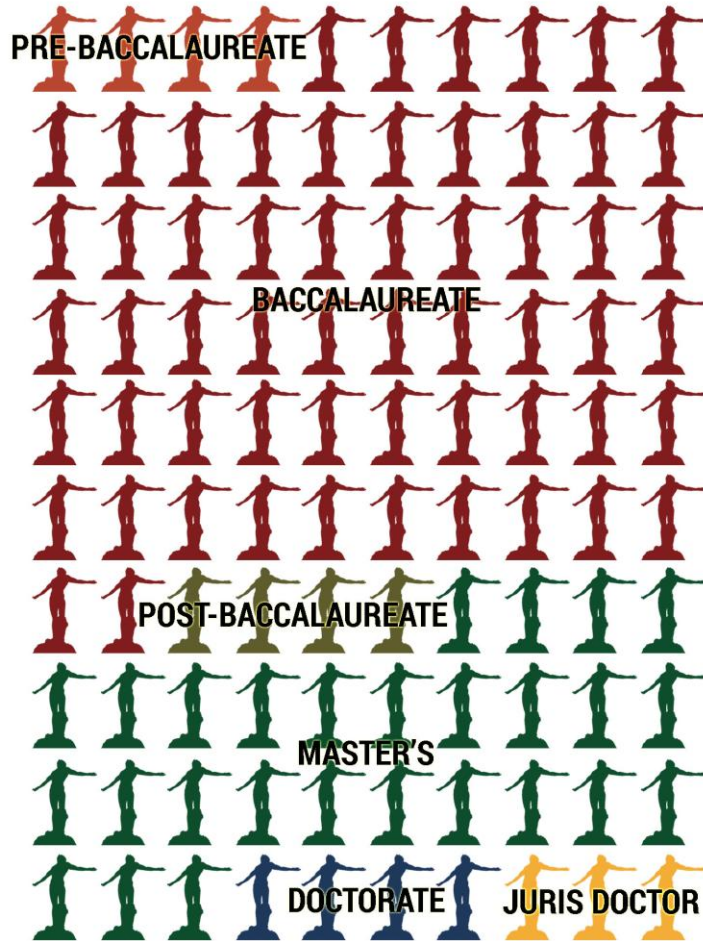
4.0% in Doctoral programs

3.4% in Juris Doctor



ADMISSION IN UP DILIMAN

AY 2010-2011 to AY 2013-2014



8 out of 10 students admitted at the **PRE-BACCALAUREATE** level were **New Freshman admissions**

7 out of 10 students admitted at the **BACCALAUREATE** level were **UPCAT qualifiers**

7 out of 10 students admitted at the **POST-BACCALAUREATE** level obtained their baccalaureate degrees **from other schools**

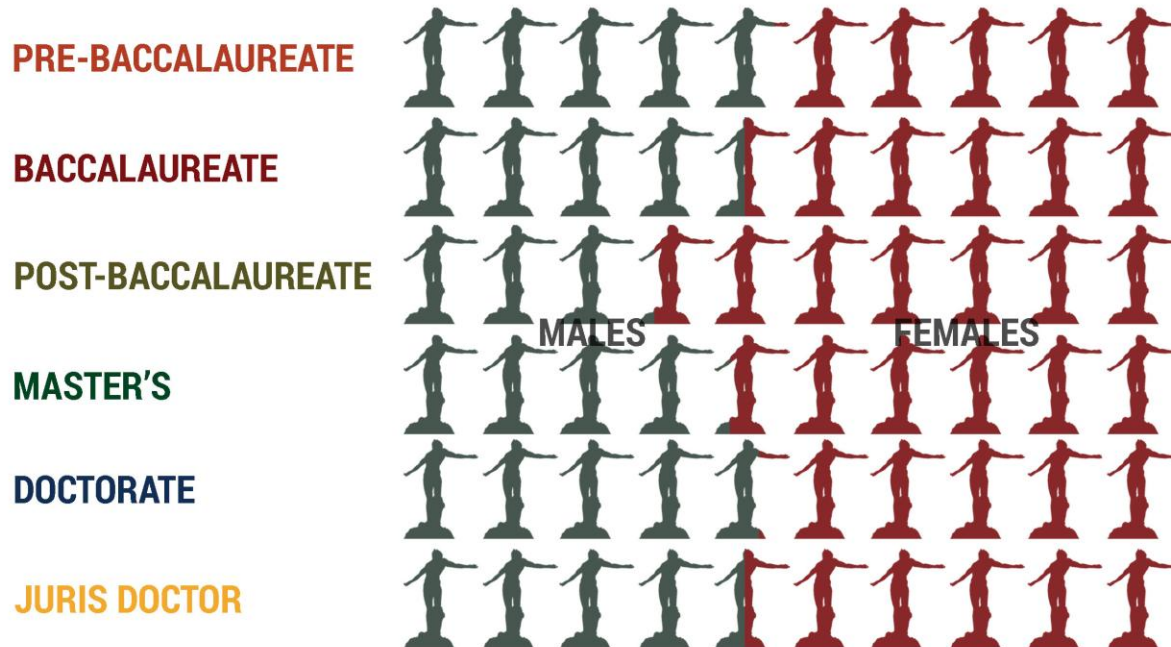
5 out of 10 students admitted at the **MASTER'S** level obtained their baccalaureate degrees **from different UP Units**

6 out of 10 students admitted at the **DOCTORATE** level obtained their baccalaureate degrees **from different UP Units**

6 out of 10 students admitted at the **JURIS DOCTOR** level obtained their baccalaureate degrees **from different UP Units**

ADMISSION IN UP DILIMAN, BY SEX

AY 2010-2011 to AY 2013-2014



At the UNDERGRADUATE LEVEL:

The colleges with the highest male to female ratios are: ENGG, CHK, and CMu.

The colleges with the lowest male to female ratios are: AIT, CHE, and CSWCD.

At the GRADUATE LEVEL:

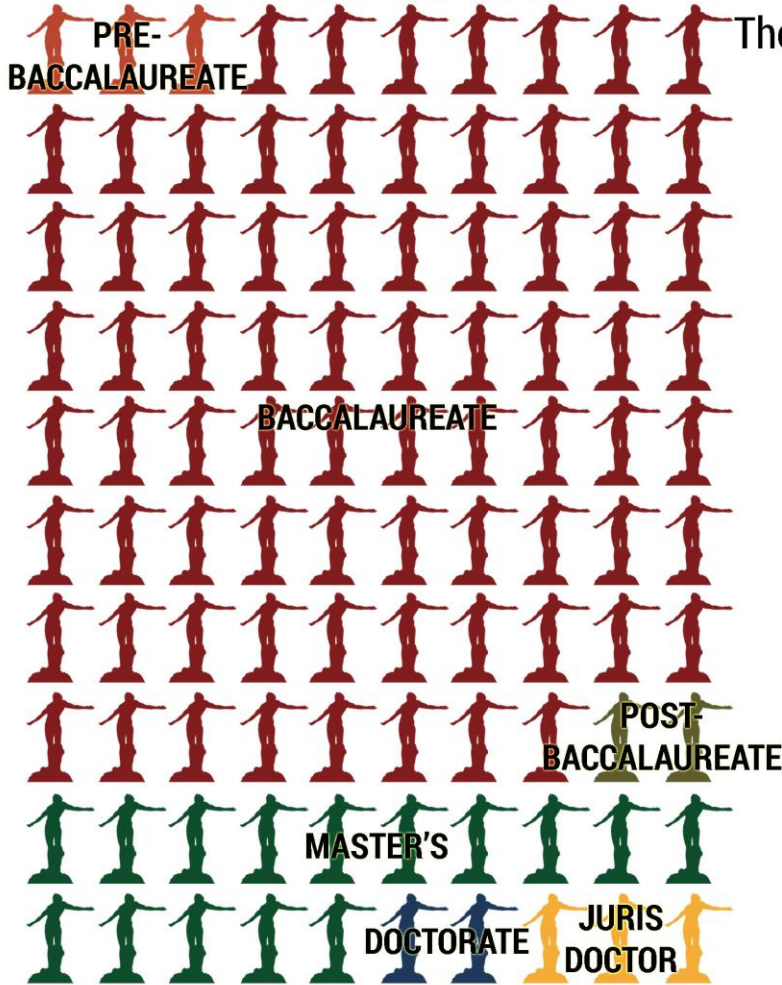
The colleges with the highest male to female ratios are: CFA, CHK, and ENGG.

The colleges with the lowest male to female ratios are: CHE, EDUC, and SLIS.

ENROLLMENT IN UP DILIMAN

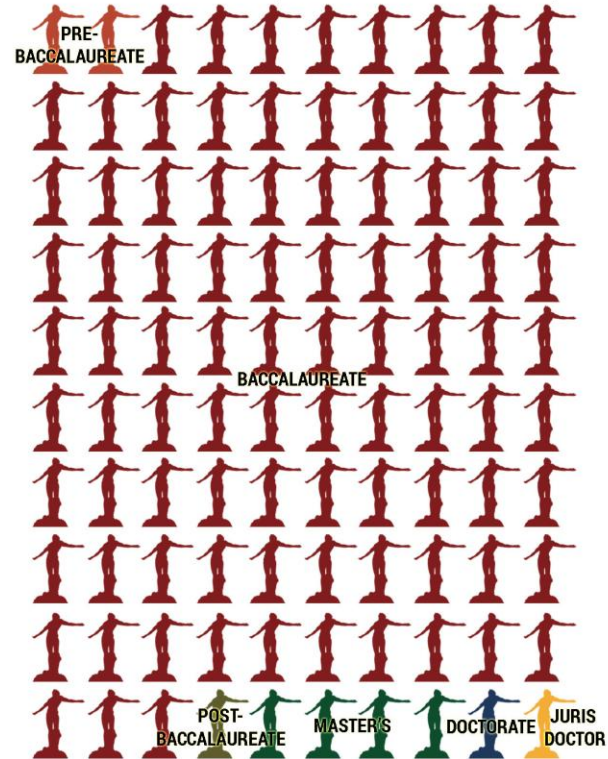
AY 2010-2011 to AY 2013-2014

FOR REGULAR SEMESTERS



The **male-to-female ratio** across all levels during regular semesters is **4:6**, except at the pre-baccalaureate level which is **5:5**

FOR SUMMERS (INCLUDING MIDYEAR 2014)



Data Source: *Towards Improving Student Retention and Graduation Rates*, an Academic Program Improvement project of the Office of the University Registrar, UP Diliman, December 2014-June 2015

Admission Statistics: Highlights

Degree Programs With an Average of 100 or More Admitted Students Every Year

DegProg	AVE	MIN	MAX
BS CE	142	130	156
BS CS	138	127	163
BS ChE	132	130	133
BS ECE	127	108	138
BS CoE	123	101	131
BS (Stat)	116	105	136
Cert FA	109	95	118
BS Math	107	105	111
BS IE	100	96	103

The degree program with the most number of admitted students at the undergraduate level in the past four years is either the Bachelor of Science in Computer Science (BS CS) or the Bachelor of Science in Civil Engineering (BS CE), both offered by ENGG.

Degree Programs With an Average of 10 or Less Admitted Students Every Year

DegProg	AVE	MIN	MAX
BA (CL)	8	4	10
BA (AralPil)	7	1	10
BA (TA)	5	4	7
BA (Fil)	5	1	11
BA (MPF)	4	1	8
B M	4	1	8

Undergraduate degree programs with an average of less than 10 admitted students each year are the Bachelor of Arts (BA) in Comparative Literature (CL), BA in Araling Pilipino (BA AralPil, currently BA in Philippine Studies or BA Phil Stud since AY 2014-2015), BA in Theater Arts (BA TA), BA in Filipino (BA Fil), Bachelor of Music (B M), and BA in Malikaing Pagsulat sa Filipino (BA MPF).

Undergraduate Programs

Degree Programs With an Average of 40 or More Admitted Students Every Year

DegProg	AVE	MIN	MAX
MA Educ	252	219	297
M BA	128	127	128
Dip IR	125	98	146
M TM	75	61	84
MA (URP)	64	42	97

The program with consistently the most number of admitted students at the graduate level over the study period is Master of Arts (MA) in Education (Educ) offered by the College of Education (EDUC). The average count of admitted students into the degree program is around 252 every year.

Graduate Programs

Admission Statistics: Highlights

Degree programs with an average ratio less than 0.5 have less than half of the number of slots being filled by admitted freshmen each year.

Degree Programs with Admitted Freshmen-UPCAT Quota Ratio Less Than 0.5				
College	Degree Program	Average	Minimum	Maximum
CHE	BS HRIM	0.49	0.22	0.94
CSSP	BS (Geog)	0.48	0.30	0.60
CMC	BA Film	0.46	0.43	0.54
CBA	BS BA	0.45	0.35	0.52
CS	BS Physics	0.37	0.28	0.58
CSSP	BA (Hist)	0.36	0.20	0.57
AIT	BS Tour	0.35	0.16	0.50
CSSP	BA (Anthro)	0.34	0.30	0.40
NCPAG	BA (PA)/B PA	0.32	0.24	0.41
CAL	BA (EngStud)	0.30	0.21	0.40
EDUC	B SE	0.30	0.17	0.35
CAL	BA (SC)	0.28	0.23	0.31
CAL	BA (CL)	0.25	0.08	0.36
EDUC	B EEd	0.24	0.14	0.40
CSSP	BA (Philo)	0.23	0.17	0.30
CAL	BA (ArtStud)	0.23	0.10	0.40
CSSP	BA (Socio)	0.21	0.11	0.26
MUSIC	B M	0.18	0.07	0.33
CAL	BA (MPF)	0.15	0.00	0.40
CAL	BA (AralPil)	0.10	0.00	0.40
SLIS	B LIS	0.09	0.09	0.11
CAL	BA (TA)	0.08	0.00	0.16
CSWCD	BS SW	0.08	0.04	0.11
CSWCD	BS CD	0.08	0.06	0.12
CHE	BS HE	0.05	0.03	0.07
CAL	BA (Fil)	0.00	0.00	0.00

Progress and Graduation Data Framework

Progress & Graduation Data Notes

Exit does not necessarily mean graduation.

Data towards the end of AY 2014-2015 were not analyzed (6,925 out of 35,249 records). However, student progress information as of 1st Semester AY 2014-2015 was included in analysis.

New Freshman UPCAT Qualifiers in AY 2011 to AY 2013 had no graduation data during the time of study [they are still continuing] (7,547 out of 35,249 records)

Conceptual Data Framework

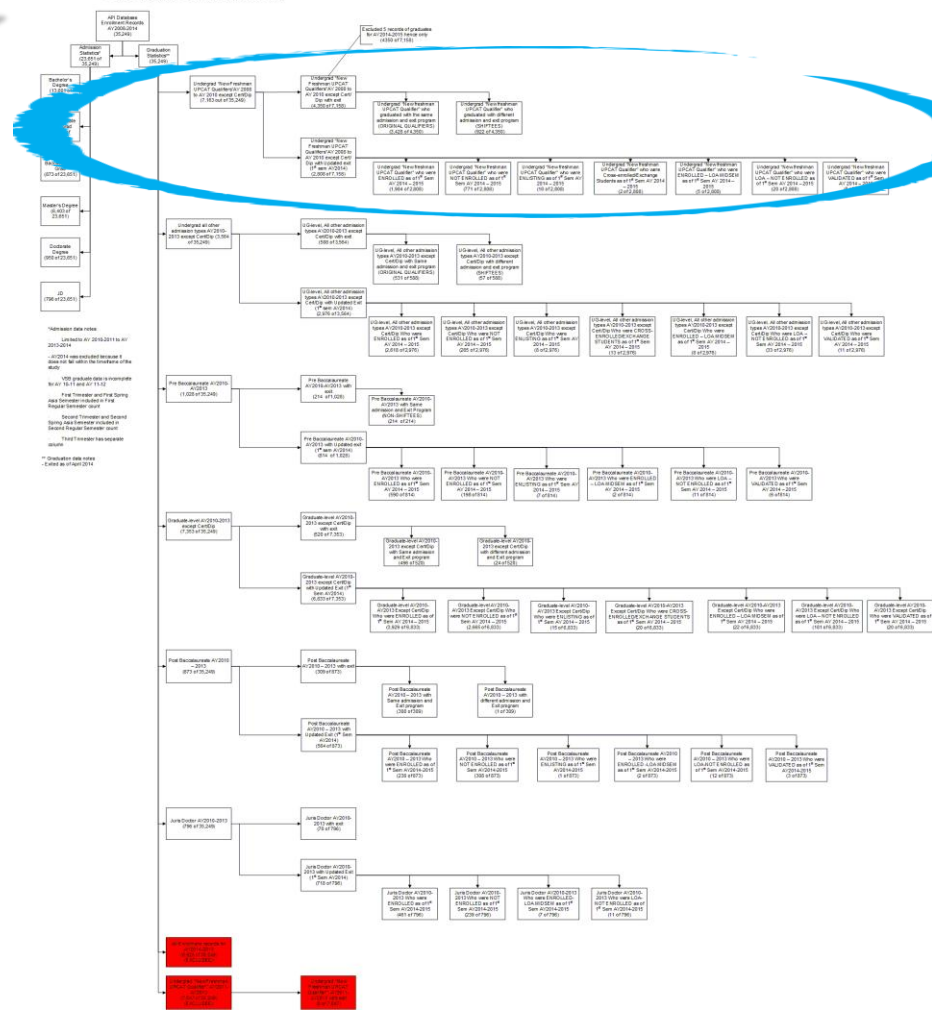


Progress and Graduation Data Framework

Progress & Graduation Data Composition

- New Freshman UPCAT Qualifier from AY 2008 to AY 2010 except Cert/Dip (7,163 of 35,249)
- UG all other admission types AY 2010 to AY 2013 except Cert/Dip (3,564 of 35,249)
- Pre-Baccalaureate AY 2010 to AY 2013 (1,028 of 35,249)
- Graduate Level AY 2010 to AY 2013 except Cert/Dip (7,353 of 35,249)
- Post-Baccalaureate AY 2010 to AY 2013 (873 of 35,249)
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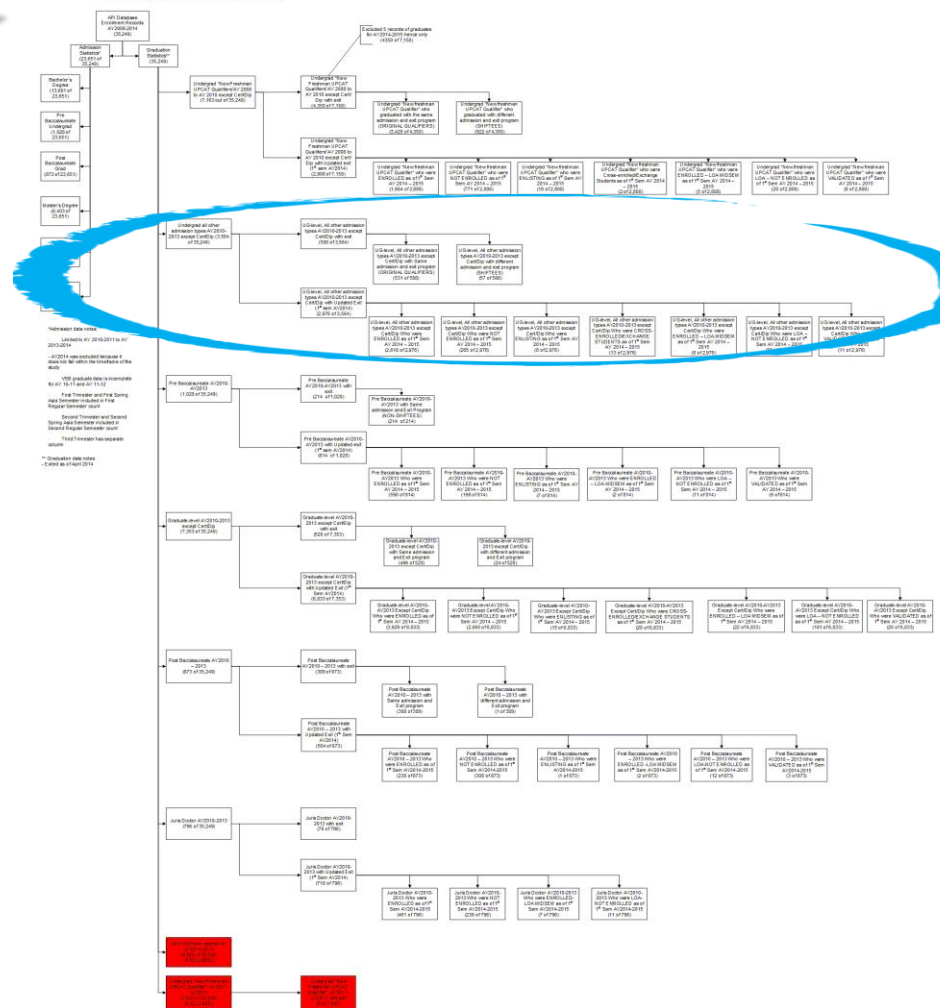
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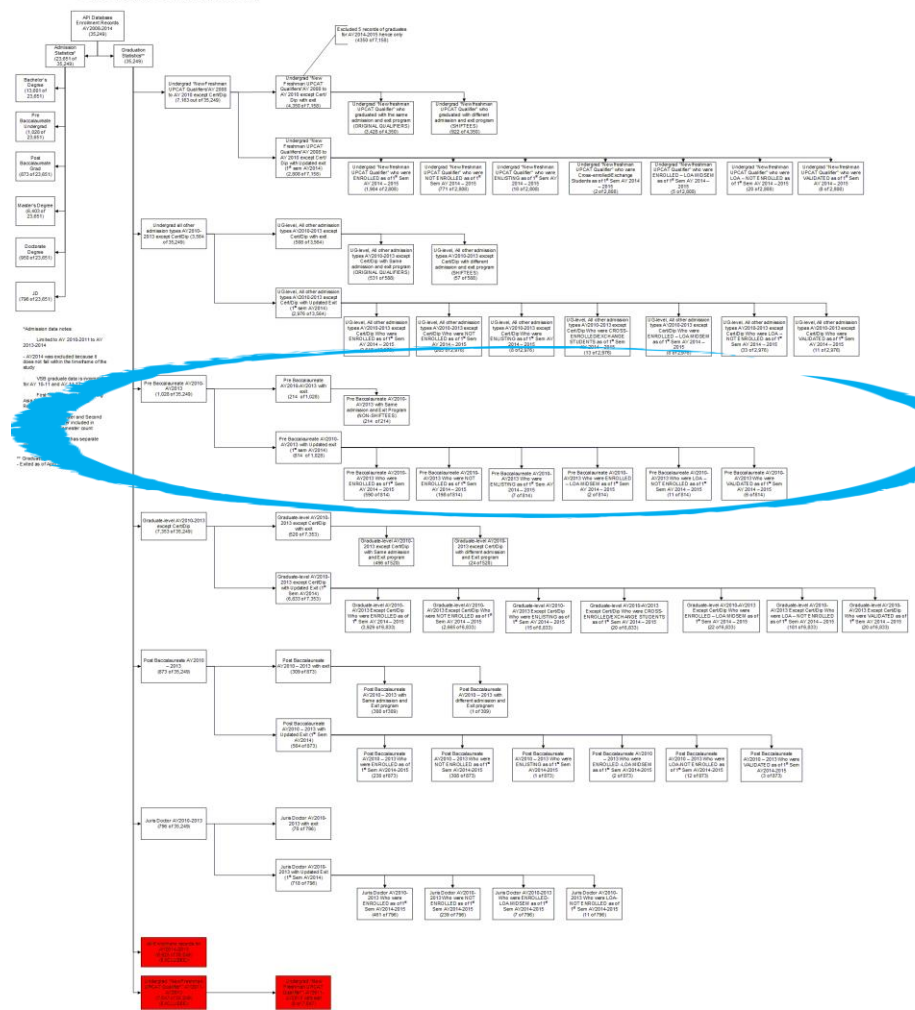
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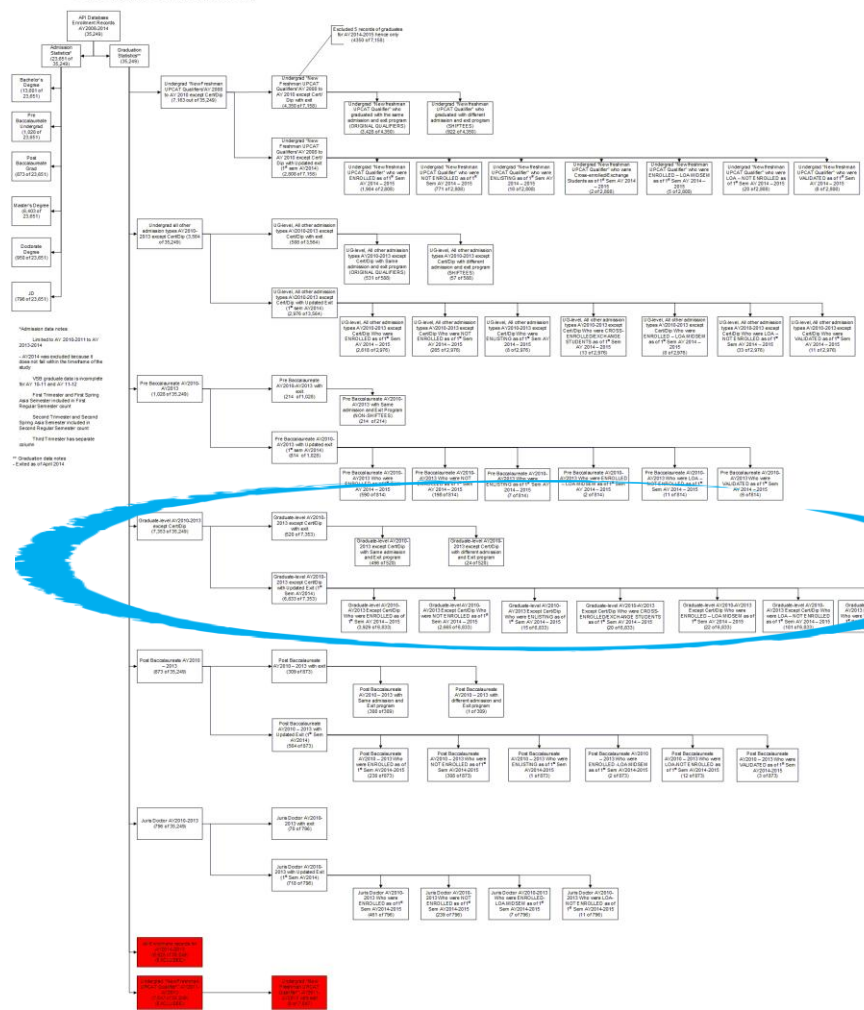
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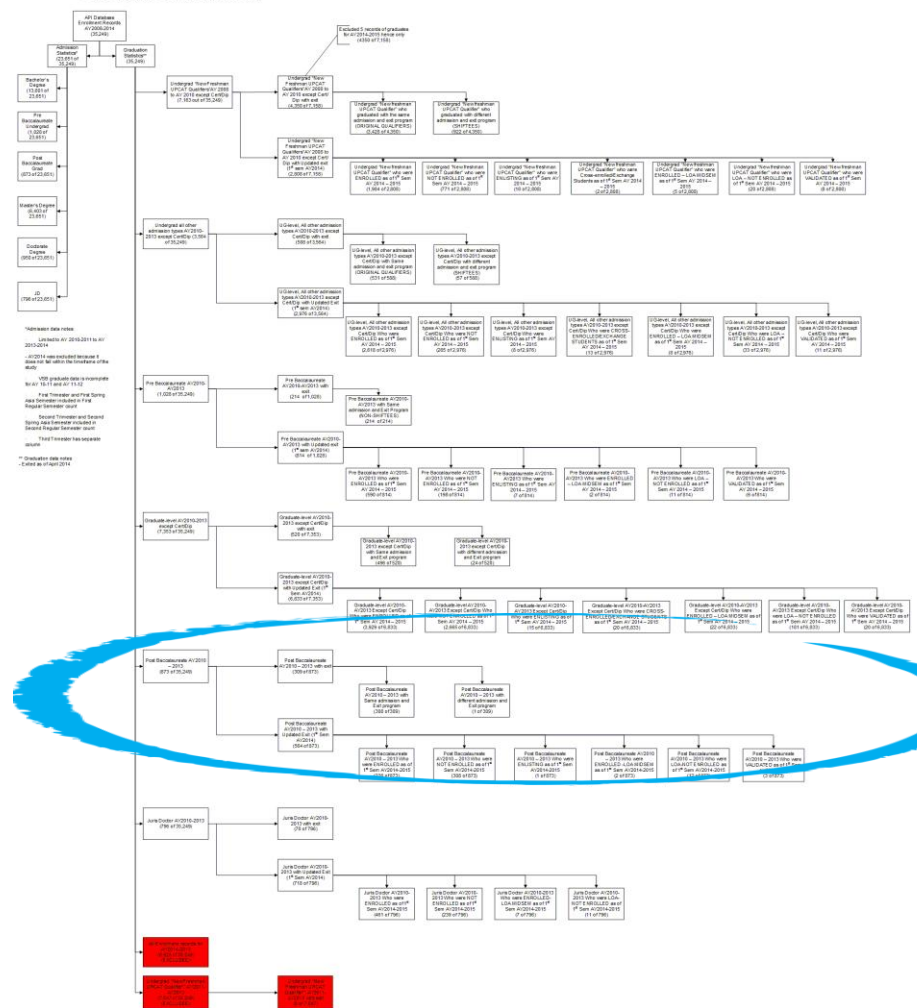
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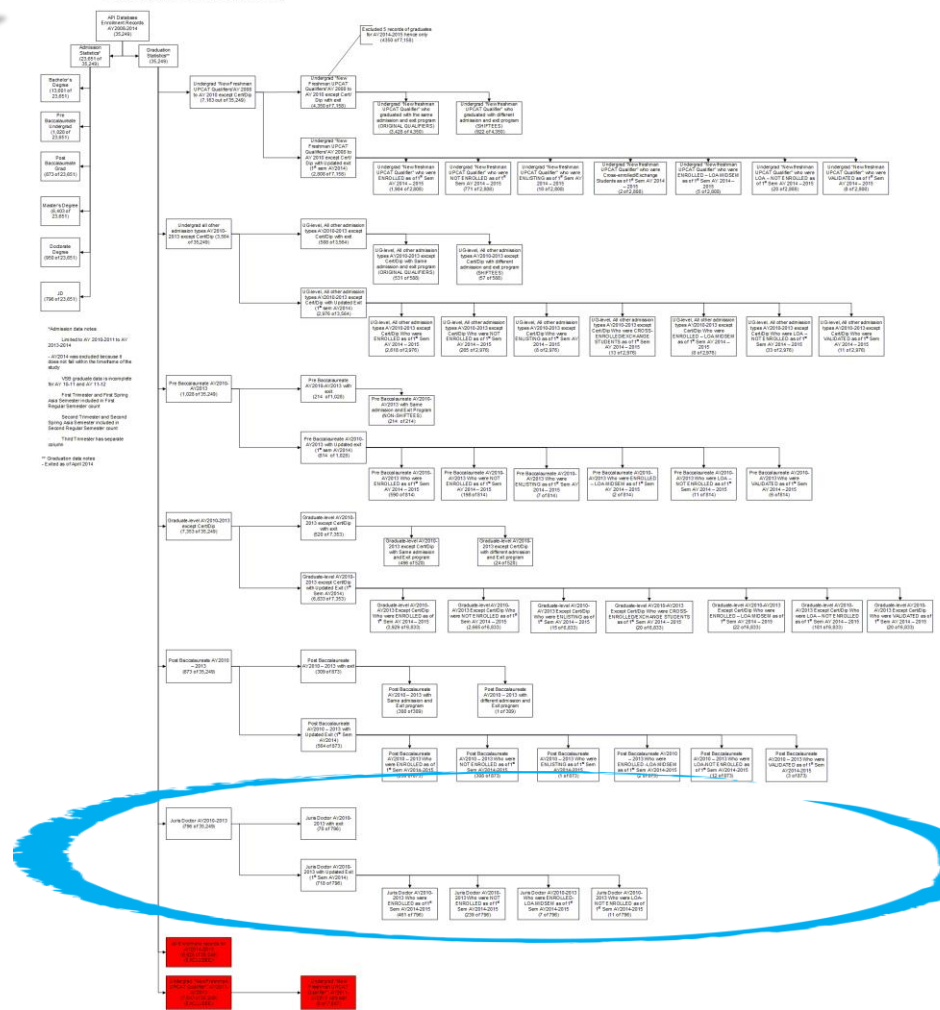
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Progress and Graduation Data Framework

Progress & Graduation Data Composition

Data Composition

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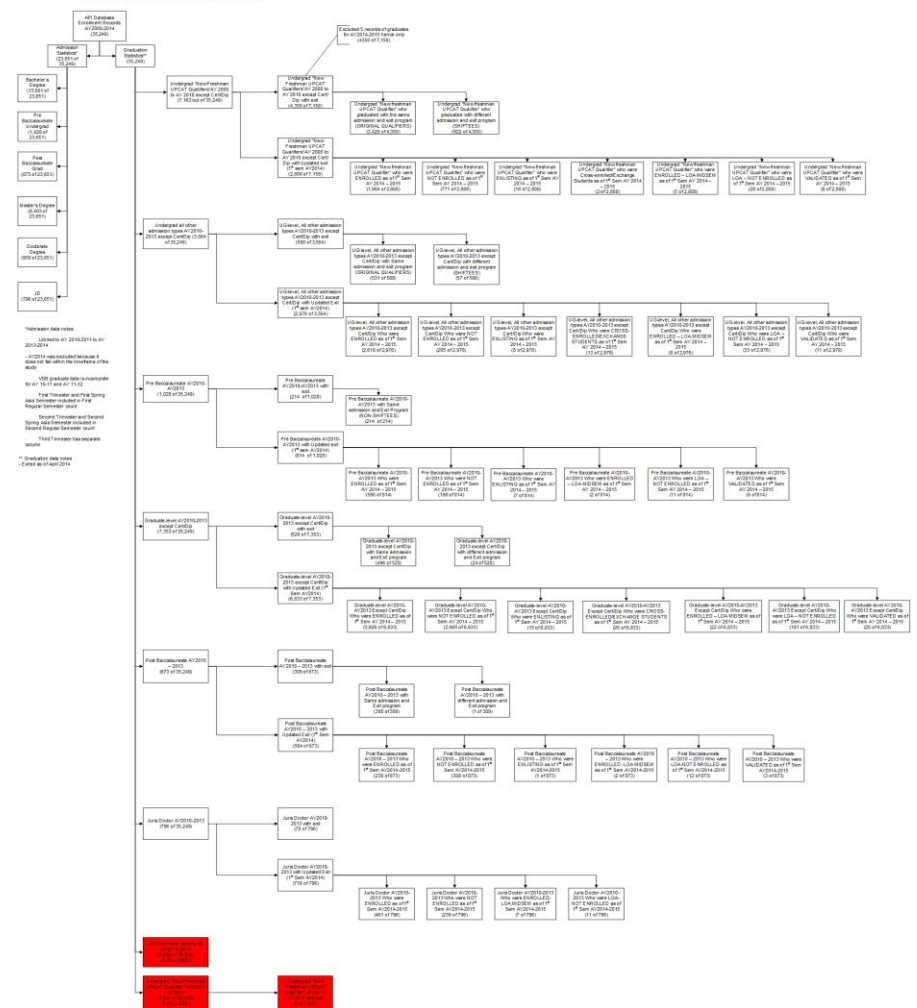
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Graduate Level AY 2010 to AY 2013 except Cert/Dip (7,353 of 35,249)

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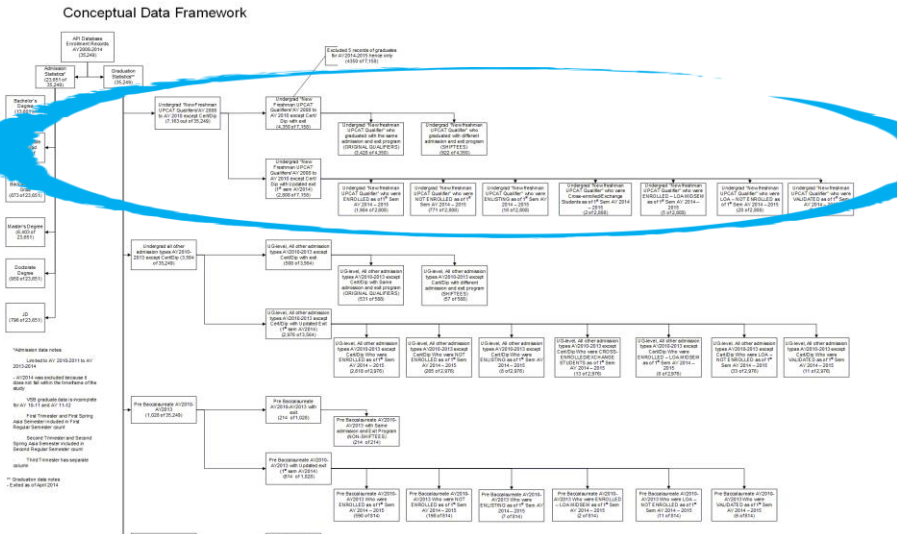
Progress and Graduation Data Framework

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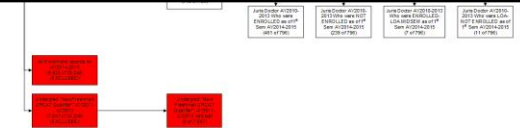
61% (4,350 of 7,163) graduated as of April 2014
 3,428 of 4,350 graduated in the same admission degree program
 922 of 4,350 had different admission and graduation degree programs (Shifttees)

28% (2,009 of 7,163) were "Continuing" as of April 2014
 1,984 were enrolled in the 1st Sem AY 2014-2015
 2 were on Exchange Student Programs in the 1st Sem AY 2014-2015
11.0% (797 of 7163) dropped out
 797 were not enrolled as of 1st Sem 2014-2015
 25 were on LOA effective 1st Sem 2014-2015



Of the 1,984 still enrolled:
 870 are in the 5-year programs and on schedule
 Assuming a 20% attrition/delay, the projected on-time graduation rate in this cohort will be **70%**.

Note: 4,350 and 2,808 do not sum to 7,163 since there were 5 records where admission data need reconciliation.



Progress and Graduation Data Framework

Progress & Graduation

Data Composition

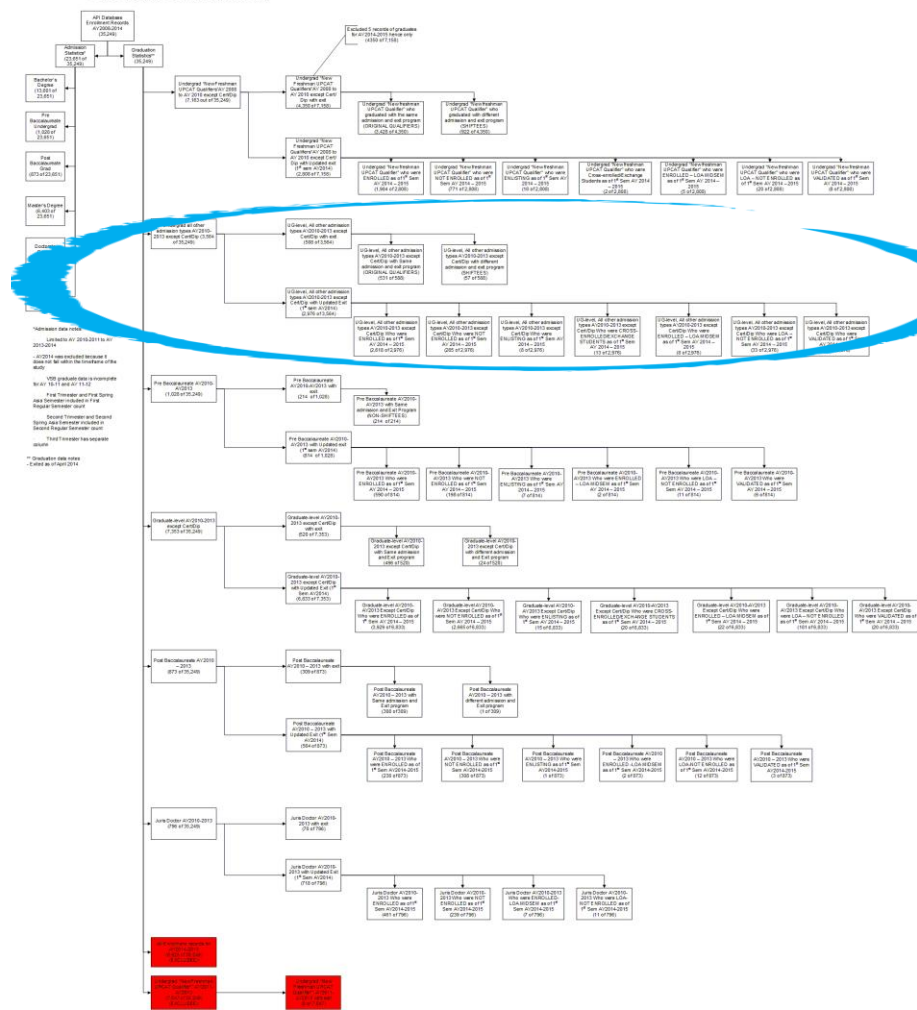
UG all other admission types AY 2010 to AY 2013 except Cert/Dip (3,564 of 35,249)

16.5% (588 of 3,564) graduated as of April 2014
 531 of 588 graduated in the same admission degree program
 57 of 588 had different admission and graduation degree programs (Shiftees)

74.6% (2,659 of 3,564) were "Continuing" as of April 2014
 2,618 enrolled as of 1st Sem 2014-2015
 13 were on Exchange Student Programs in the 1st Sem AY 2014-2015
 41 were on LOA effective 1st Sem AY 2014-2015

8.5% (304 of 3564) dropped out
 304 were not enrolled as of 1st Sem AY 2014-2015

Conceptual Data Framework



Progress and Graduation Data Framework

Progress & Graduation

Data Composition

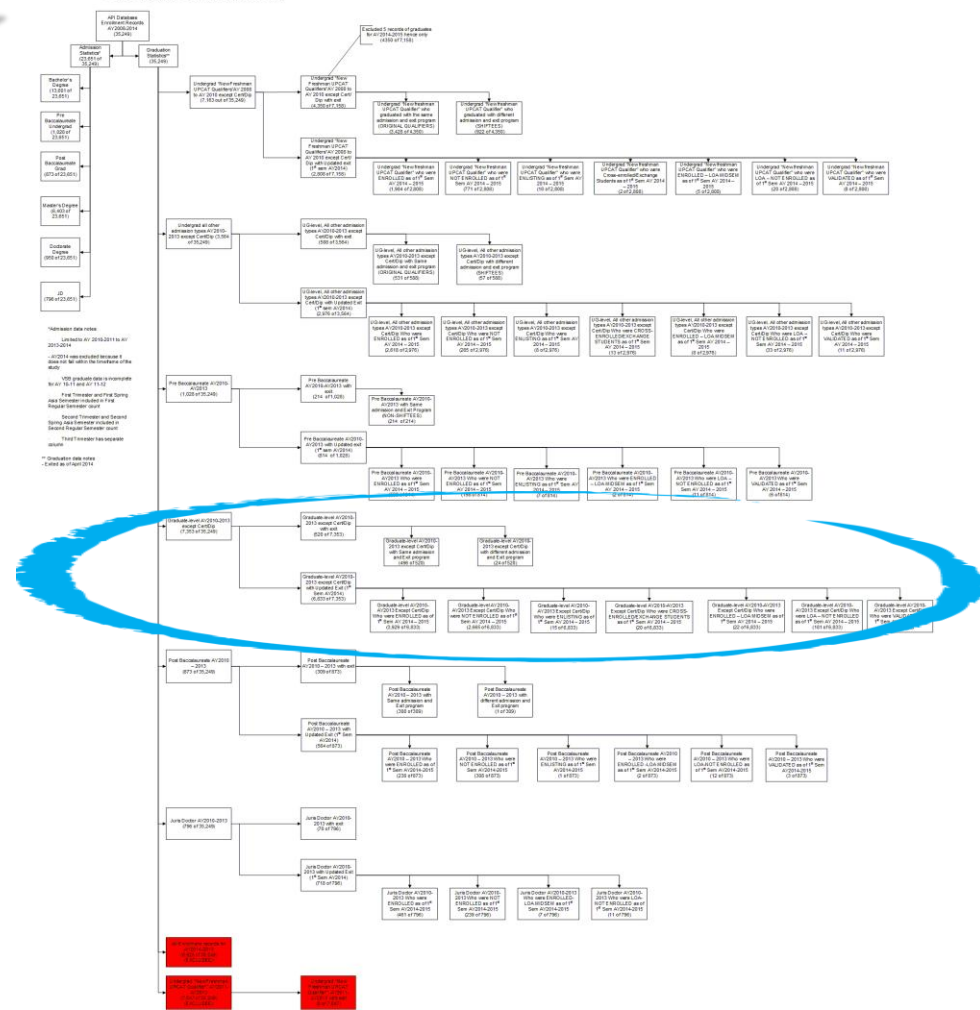
Graduate Level AY 2010 to AY 2013 except Cert/Dip (7,353 of 35,249)

7% (520 of 7,353) graduated as of April 2014
 496 of 520 graduated in the same admission degree program
 24 graduated in a different degree program

56% (4132 of 7,353) were "Continuing" as of April 2014
 3,929 enrolled as of 1st Sem AY 2014-2015
 20 were on Exchange Programs in the 1st Sem AY 2014-2015
 203 were on LOA effective 1st Sem AY 2014-2015

37% (2,700 of 7353) dropped out
 2,700 were not enrolled as of 1st Sem AY 2014-2015

Conceptual Data Framework



Progress and Graduation Data Framework

Progress & Graduation

Data Composition

Post-Baccalaureate AY 2010 to AY 2013
(873 of 35,249)

35.4% (309 of 873) graduated as of April 2014
308 of 309 graduated in the same admission program
1 graduated in a different program

28.9% (252 of 873) were "Continuing" as of April 2014
238 enrolled as of 1st Sem AY 2014-2015
14 were on LOA effective 1st Sem AY 2014-2015

35.7% (312 of 873) dropped out
312 were not enrolled as of 1st Sem AY 2014-2015

Conceptual Data Framework



Progress and Graduation Data Framework

Progress & Graduation

Data Composition

Juris Doctor AY 2010 to AY 2013
(796 of 35,249)

9.8% (78 of 796) had graduation record as of April 2014

60.2% (479 of 796) were "Continuing" as of April 2014
461 enrolled as of 1st Sem AY 2014-2015
18 were on LOA effective 1st Sem AY 2014-2015

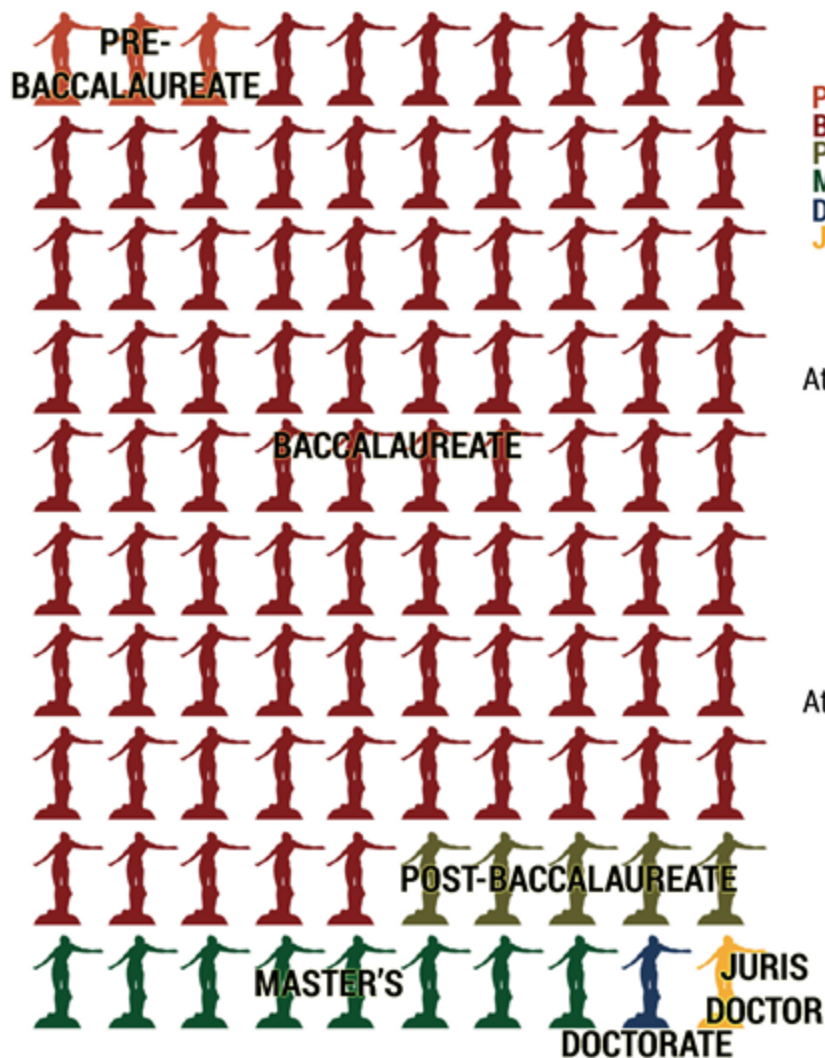
30.0% (239 of 796) dropped out
239 were not enrolled as of 1st Sem AY 2014-2015

Conceptual Data Framework



GRADUATION IN UP DILIMAN

1st Sem, AY 2010-2011 to 1st Sem, AY 2014-2015



	AVE. # OF REG SEMS ENROLLED	AVE. # OF SUMMERS ENROLLED	AVE. # OF DEG PROG ENROLLED*
PRE-BACCALAUREATE	8.91	1.05	1.92
BACCALAUREATE	8.69	2.02	1.24
POST-BACCALAUREATE	6.06	0.06	1.74
MASTER'S	6.32	0.42	1.19
DOCTORATE	10.88	0.42	1.58
JURIS DOCTOR	8.5	0.58	1.00

*Degree programs at the same Undergrad/JD/Grad level
 Undergrad=Pre-Baccalaureate & Baccalaureate
 JD= Juris Doctor
 Grad=Post-Baccalaureate, Master's, & Doctorate

At the BACCALAUREATE level

CMu has the lowest number of graduates (3) and the highest average number of regular semesters enrolled (10.67)

ENGG has the highest number of graduates (1,093) and the second highest average number of regular semesters enrolled (9.88)

AIT has the lowest average number of regular semesters enrolled (7.82) considering a total of 112 graduates

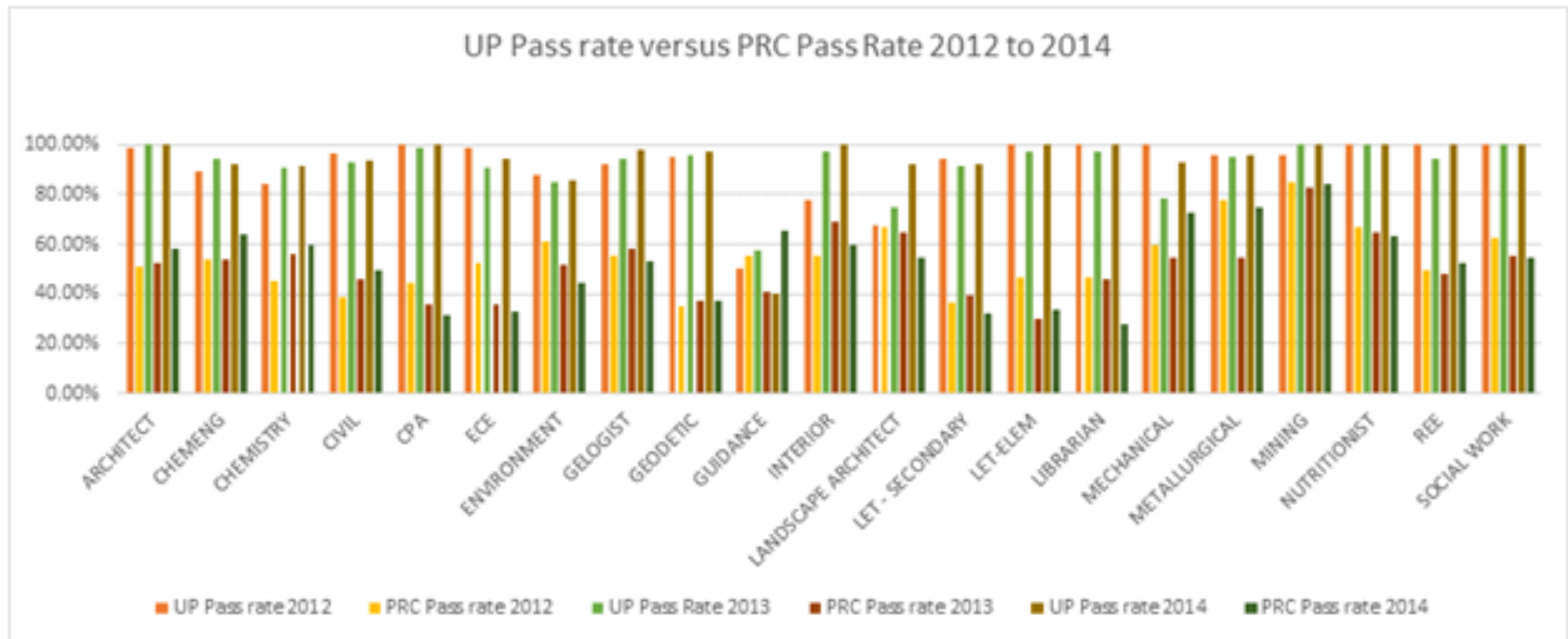
At the MASTER'S level

CMu has the highest average number of regular semesters enrolled (11.00) with only 1 graduate

TMC has the highest number of graduates (112) and an average of 5.14 regular semesters

SURP has the lowest average number of regular semesters enrolled (4.33) considering a total of 12 graduates

Performance in Licensure Examinations



In general, UP's passing performance in the Professional Licensure examinations are mostly higher than the national average from the years 2012 to 2014. Exceptions are the Guidance Counsellor Licensure examinations for the year 2012 in which the passing rate of UP examinees was 50% compared with the national passing rate of 55.06% and year 2014 with UP getting 40% in the Guidance Counsellor exam versus the national average of 65.16%.

SUMMARY OF THE UNDERGRADUATE TRACER STUDY RESULTS

Most of the **2,501** respondents in the Undergraduate Tracer Study were 2013 graduates.

The respondents mostly graduated from Engg, CS, and CSSP.

The top 3 responses of what graduates did after college:

- had full-time employment in a company/organization (66%)
- pursued a degree in law or medicine on a full-time basis (14%)
- had a job and studied part-time/full-time (11%)

Most respondents had their first jobs and have their current jobs in the private sector.

The top 5 most popular industries are:

- professional, scientific and technical services
- education
- media and communication
- finance, banking and insurance
- information technology industries.

More than half of the working respondents receive 20,000 to 39,999 pesos as their monthly salary.

About 35% receive below 20,000 pesos and less than 2% declared that they are paid above 80,000 per month.

A small proportion (3.6%) of the respondents are currently abroad and 25 of them have already migrated. Out of those currently residing in the Philippines, 64% are planning to go abroad and 12.62% of them have plans of migrating.

SUMMARY OF THE GRADUATE TRACER STUDY RESULTS

Majority of the 277 respondents reported that their graduate degree accelerated their career in upward mobility.

Most of them graduated in 2013.

The top 3 degree programs with the most respondents are:

- M TM degree (TMC)- 21%
- MS Physics (CS)- 6%
- MS EE (ENGG)- 5%

The top 3 responses of what respondents did after graduation:

- have a job or full-time employment or continue to work in their respective jobs (80%)
- continue studies while working (22%)
- pursue further studies on a full-time basis (19%)

Around 47% work in the private sector and 40% work in the public/government sector.

More than 60% of the respondents belong to the education, and professional, scientific and technical services industries.

More than half of the working respondents receive a monthly pay of 20,000 to 39,999 pesos while about 24% receive 40,000 to 59,999 pesos per month. Around 8% of the respondents get a monthly salary of 60,000 to 79,999 pesos and around 6% get 100,000 pesos and above. Only a small portion receive a monthly pay of less than 19,999.

About 13% of the respondents are currently living outside the country and three of them already migrated. Out of the respondents currently residing in the Philippines, 68% are planning to go abroad. Around 18% of the total respondents are planning to migrate to another country in the future.

Recommendations

- Review admission quota and determine absorption capacity of degree programs
- Review admission and retention policy in degree programs with low graduation rate (in terms of number of semesters to finish) especially graduate degree programs. Identify challenges and devise mechanisms to improve student performance.
- Correlate UPAI/UPG with student performance (GWA)
- Disseminate data to units in support of their iAADS/AUN-QA endeavor
- Follow up tracer study on the same cohort.
- Make this a regular study by the OUR on a 2 or 3-year cycle.

Salamat po sa pakikinig.

