

A Data Driven Look at Scheduling

What questions did we ask?

When looking at our class schedule...

- Class Accessibility
 - Could a student only taking evening classes complete an associate degree?
- Fill Rate by Time
 - Are there certain time periods more popular than others?
- Course Availability by when/where/how students are taking classes
 - If we look through the lenses of Brentwood students, DE students, Pittsburg students, Day students, Evening students, Weekend students- what courses are available to them?

What We Made

LOCATION	Pittsburg																			
SUBJECT	(All)																			
Meta Major	(All)																			
TERM	(Multiple Items)																			
IGETC Area	1																			
CSU GE Area	(All)																			
Row Labels	Count of CSU GE Area	Count of IGETC Area	Count of Monday	Count of Tuesday	Count of Wednesday	Count of Thursday	Count of Friday	Count of Sat	Count of Online	Average of CENSUS FILL RATE										
8:00AM	16	16	9	6	9	6	2			92.50%										
8:30AM	2	2	2	2	2					100.00%										
9:00AM	6	6						6		75.56%										
9:35AM	20	20	11	9	11	9				101.00%										
10:15AM	1	1	1	1	1	1				106.67%										
11:10AM	22	22	12	10	12	10				98.02%										
11:20AM	2	2					2			111.67%										
11:30AM	1	1	1	1	1					90.00%										
12:30PM	1	1	1	1	1	1				96.67%										
12:45PM	11	11	3	6	4	5				97.01%										
1:00PM	1	1		1		1				103.33%										
3:20PM	15	15	6	5	7	4				95.33%										
3:30PM	1	1	1	1	1	1				93.33%										
6:30PM	1	1	1	1	1	1				76.67%										
6:40PM	14	14	5	6	4	1				97.38%										
Grand Total	114	114	53	50	54	39	4	6		96.14%										

Things we
noticed

Students are not able to complete CSU GE or IGETC online

CTION	(All)	▼
CT	(All)	▼
Major	(All)	▼
	(Multiple Items)	-T
Area	5	-T
E Area	(All)	▼

Labels	Count of CSU GE Area	Count of IGETC Area	Count of Monday	Count of Tuesday	Count of Wednesday	Count of Thursday	Count of Friday	Count of Sat	Count of Sun
M	2	2	1	1	1	1	1		
M	15	15	11	3	11	4			
M	23	23	11	17	10	17	2	2	
M	2	2	1	2	1	2	1		
M	2	2			2				
M	2	2						2	
M	13	13	9	4	9	4	2		
AM	3	3							
AM	1	1						1	
AM	14	14	10	4	10	4	4		
PM	1	1	1	1	1	1			
PM	25	25	6	21	9	21	5		
M	1	1	1	1	1				
M	3	3	1	2	1	2	2		
M	15	15	8	4	6	4			
M	14	14	7	7	7	7			
M	2	2		2			2		
M	2	2		2			2		
M	12	12	8		6	2			
Total	144	154	82	77	80	77	18	4	



Gap in availability of STEM GE courses on weekends

No physical/natural science GE courses 100% online

STEM courses that are online are popular-7 sections of Statistics had 97.7% census fill in 2018-2019

IGETC Area 2 (Quantitative Reasoning)

Row Labels	Count of CSU GE Area	Count of IGETC Area	Count of Monday	Count of Tuesday	Count of Wednesday	Count of Thursday	Count of Friday	Count of Sat	Count of Online	Average of CENSUS FILL RATE
7:55AM	2	2	2	2		2	2			31.94%
8:00AM	2	2	2		2					66.67%
8:15AM	10	10	5	5	5	5				85.83%
8:30AM	4	4	4	4	4	4				81.16%
8:55AM	11	11	6	5	6	5				97.44%
9:15AM	2	2	1	1	1	1				107.81%
9:35AM	8	8	4	4	4	4				94.84%
10:00AM	1	1	1				1			109.38%
10:30AM	9	9	6	3	6	3				101.54%
11:10AM	9	9	5	6	5	6				81.13%
11:30AM	3	3	3	3	3	3				87.50%
11:45AM	3	3	1	2	1	2				111.46%
11:50AM	1	1	1		1					115.63%
12:30PM	2	2	2	2	2	2				73.44%
12:45PM	22	22	11	10	11	10	2			92.33%
1:20PM	1	1		1						90.63%
1:25PM	1	1		1			1			84.38%
2:40PM	1	1		1			1			115.63%
3:00PM	1	1	1		1					90.63%
3:15PM	1	1		1		1				84.38%
3:20PM	6	6	2	4	2	4				87.73%
3:30PM	2	2	2	1	1	2				44.62%
4:25PM	7	7	4	3	4	3				86.36%
4:40PM	1	1					1			106.25%
5:05PM	6	6	3	3	3	3				88.31%
5:40PM	1	1		1			1			100.00%
6:30PM	2	2	1	1		2				81.25%
6:40PM	11	11	3	6	3	8				91.98%
7:00PM	1	1		1			1			18.75%
7:20PM	1	1		1			1			75.00%
7:45PM	1	1		1			1			90.63%
(blank)	7	7							7	97.77%
Grand Total	140	140	70	73	65	78	4		7	89.54%

Things we noticed

Need for cross-disciplinary planning and scheduling

- Gaps in course availability can be addressed by meta major/GE groups instead of individual departments
- Departments need more awareness of new courses/course deactivation

Need for scheduling through the lens of degree attainment, including general education components

Things we noticed

Single block Saturday classes limits ability of weekend students to maximize their class-taking time

IGETC Area 1 (English Composition)

Row Labels	Count of CSU GE Area	Count of IGETC Area	Count of Monday	Count of Tuesday	Count of Wednesday	Count of Thursday	Count of Friday	Count of Sat	Count of Online	Average of CENSUS FILL RATE
8:00AM	27	27	16	10	16	10	3			95.06%
8:30AM	2	2	2	2	2					100.00%
9:00AM	6	6						6		75.56%
9:35AM	29	29	14	15	14	15				98.74%
10:15AM	2	2	2	2	2	2				106.67%
11:10AM	31	31	16	15	16	15				94.74%
11:20AM	2	2					2			111.67%
11:30AM	3	3	3	3	3					88.89%
12:30PM	2	2	2	2	2	2				96.67%
12:45PM	15	15	5	7	7	6				96.25%
1:00PM	1	1		1		1				103.33%
3:20PM	24	24	10	8	9	8				91.81%
3:30PM	2	2	2	2	2	2				90.00%
6:30PM	1	1	1	1	1					76.67%
6:40PM	23	23	8	8	8	4				95.80%
(blank)	22	22							22	88.24%
Grand Total	192	192	81	76	82	65	5	6	22	94.11%

IGETC Area 3 (Arts & Humanities)

Row Labels	Count of CSU GE Area	Count of IGETC Area	Count of Monday	Count of Tuesday	Count of Wednesday	Count of Thursday	Count of Friday	Count of Sat	Count of Online	Average of CENSUS FILL RATE
8:00AM	1	1	1		1					60.00%
9:00AM	2	2						2		79.76%
9:35AM	17	17	5	12	5	12				81.88%
10:15AM	2	2	2	2	2	2				77.92%
11:10AM	23	23	7	15	8	14				80.30%
11:20AM	5	5					5			75.07%
11:30AM	4	4	4	3	4	1				70.36%
12:45PM	26	26	11	14	11	15				90.45%
1:00PM	1	1		1		1				62.22%
3:00PM	1	1	1	1	1	1				42.86%
3:20PM	18	19	7	8	7	9				64.15%
3:30PM	2	2	2	2	2	1				75.16%
4:00PM	2	2	2	2						22.22%
5:05PM	2	2		2			2			71.67%
6:40PM	19	19	3	7	8	4				72.72%
(blank)	37	37							37	85.60%
Grand Total	162	163	45	69	49	62	5	2	37	78.73%

IGETC Area 4 (Social & Behavioral Sciences)

Row Labels	Count of CSU GE Area	Count of IGETC Area	Count of Monday	Count of Tuesday	Count of Wednesday	Count of Thursday	Count of Friday	Count of Sat	Count of Online	Average of CENSUS FILL RATE
8:00AM	22	22	8	10	8	10	6			96.50%
8:30AM	1	1	1	1	1					75.56%
9:00AM	14	14					4	10		76.27%
9:35AM	39	42	21	21	21	21				87.78%
10:15AM	5	5	5	5	5	5				81.06%
11:10AM	34	34	17	16	17	16				96.99%
11:20AM	2	2					2			90.00%
12:30PM	3	3	3	3	3	3				73.80%
12:45PM	22	22	14	8	14	8				95.21%
1:00PM	2	2		2		2				77.66%
3:20PM	35	37	4	11	12	12				82.67%
3:30PM	3	3	3	3	3					87.96%
6:30PM	2	2	2	2	2					84.44%
6:40PM	25	25	11	8	1	5				90.29%
(blank)	27	27							27	89.97%
Grand Total	236	241	89	90	87	82	12	10	27	89.15%

IGETC Area 5 (Physical & Biological Sciences)

Row Labels	Count of CSU GE Area	Count of IGETC Area	Count of Monday	Count of Tuesday	Count of Wednesday	Count of Thursday	Count of Friday	Count of Sat	Count of Online	Average of CENSUS FILL RATE
7:50AM	2	2	1	1	1	1	1			125.00%
7:55AM	15	15	11	3	11	4				102.20%
8:00AM	23	23	11	17	10	17	2	2		100.50%
8:15AM	2	2	1	2	1	2	1			96.97%
8:30AM	2	2	2	2	2					85.94%
8:55AM	2	2	2		2					108.55%
9:00AM	2	2						2		99.09%
9:35AM	13	13	9	4	9	4	2			105.18%
10:15AM	3	3	3	3	3	3				91.03%
10:30AM	1	1		1		1	1			145.83%
11:10AM	14	14	10	4	10	4	4			100.40%
12:30PM	1	1	1	1	1	1				82.22%
12:45PM	25	25	6	21	9	21	5			101.96%
2:30PM	1	1	1	1	1					93.75%
2:40PM	3	3	1	2	1	2	2			90.83%
3:20PM	15	15	8	4	6	4				92.24%
5:05PM	14	14	7	7	7	7				103.55%
5:35PM	2	2		2		2				106.25%
6:10PM	2	2		2		2				106.25%
6:40PM	12	12	8		6	2				100.29%
Grand Total	154	154	82	77	80	77	18	4		101.16%

