

# College Enrollment

Academic Year 2019 -2020



# College Wide Enrollment



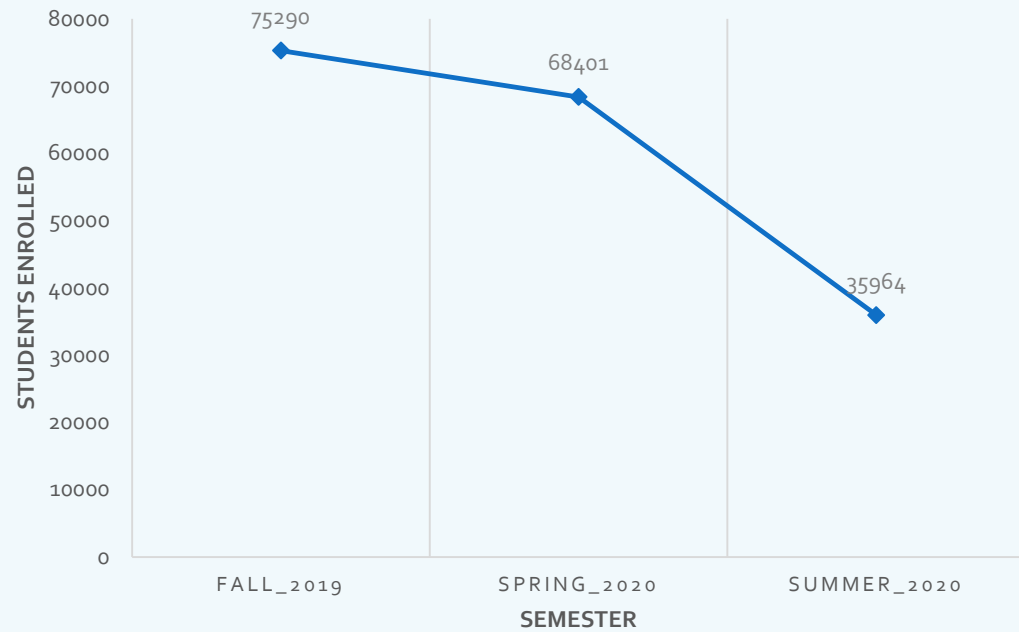
# Students Enrolled

How many students were enrolled during the academic year?

Total_2019/20	Fall_2019	Spring_2020	Summer_2020
101608	75290	68401	35964
		-9.15%	-47.42%

Avg credits per student

COLLEGE WIDE ENROLLMENT



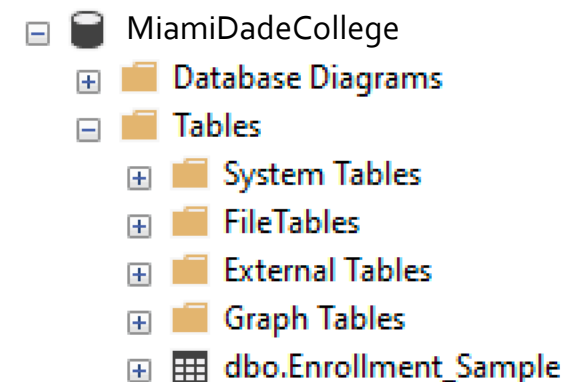
```

-- College Wide Enrollment-----
-- Terms 2205 2203 2197
Declare @Total float, @Fall_2019 float, @Spring_2020 float, @Summer_2020 float

-- 2019/2020 College Wide Enrollment
set @Total = (SELECT COUNT(DISTINCT Dummy_Student_ID) FROM Enrollment_Sample)
-- 2197 College Wide Enrollment
Set @Fall_2019 = (SELECT COUNT(DISTINCT Dummy_Student_ID) FROM Enrollment_Sample WHERE ENROLLMENT_TERM = 2197)
-- 2203 College Wide Enrollment
Set @Spring_2020 = (SELECT COUNT(DISTINCT Dummy_Student_ID) FROM Enrollment_Sample WHERE ENROLLMENT_TERM = 2203)
-- 2205 College Wide Enrollment
Set @Summer_2020 = (SELECT COUNT(DISTINCT Dummy_Student_ID) FROM Enrollment_Sample WHERE ENROLLMENT_TERM = 2205)

SELECT DISTINCT
    @Total AS 'Total_2019/20',
    CONVERT(VARCHAR(10),@Fall_2019) AS 'Fall_2019',
    CONVERT(VARCHAR(10),@Spring_2020) AS 'Spring_2020',
    CONVERT(VARCHAR(10),@Summer_2020) AS 'Summer_2020' FROM Enrollment_Sample
UNION ALL
SELECT DISTINCT
    NULL,
    NULL,
    CONVERT(VARCHAR(10),cast((((@Spring_2020 - @Fall_2019)/@Fall_2019)*100 AS numeric(38,2)))+ '%',
    CONVERT(VARCHAR(10),cast((((@Summer_2020 - @Spring_2020)/@Spring_2020)*100 AS numeric(38,2)))+ '%')
FROM Enrollment_Sample

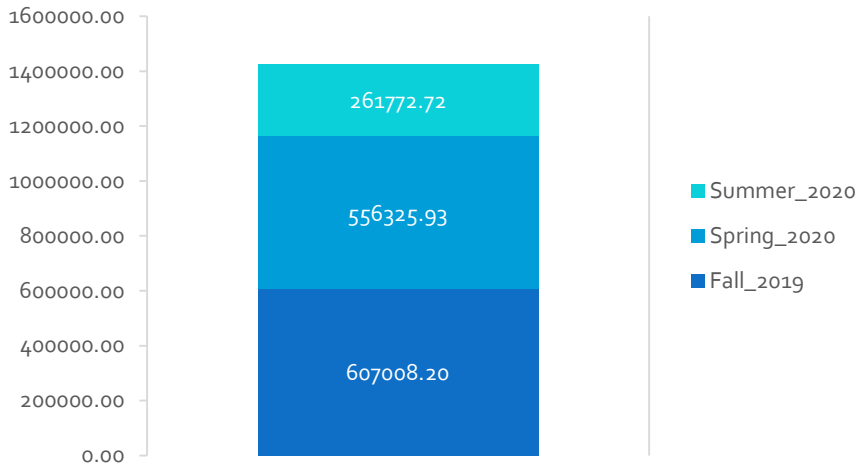
```



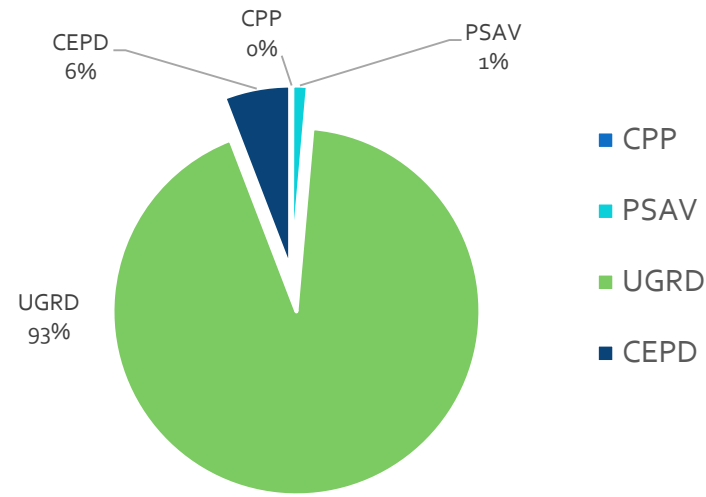
# Credits Enrolled

How many credits were students enroll for during the academic during the academic year?

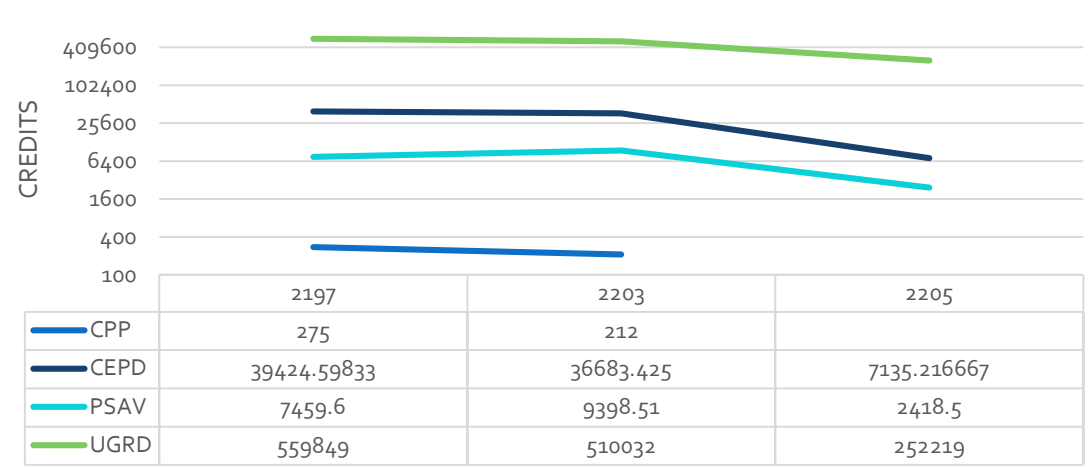
TOTAL ENROLLED CREDITS



TOTAL CREDITS BY ACADEMIC CAREER



TOTAL CREDITS BY ACADEMIC CAREER



```
-- Average Credits By ACAD_CAREER per semester
-- Average Total Credits
```

```
SELECT ACAD_CAREER, AVG(CREDITS) AS 'Average_Credits', ENROLLMENT_TERM FROM Enrollment_Sample
GROUP BY ENROLLMENT_TERM, ACAD_CAREER
ORDER BY ACAD_CAREER, ENROLLMENT_TERM
```

	ACAD_CAREER	Average_Credits	ENROLLMENT_TERM
2	CEPD	2.01093218939013	2203
3	CEPD	2.80472353253459	2205
4	CPP	2.39130434782609	2197
5	CPP	2.18556701030928	2203
6	PSAV	2.33916588272187	2197
7	PSAV	2.87504129703273	2203
8	PSAV	1.76790935672515	2205
9	UGRD	2.92114435388774	2197
10	UGRD	2.94063179257739	2203
11	UGRD	2.90752417951053	2205

```
-- College Wide Enrolled Credits
```

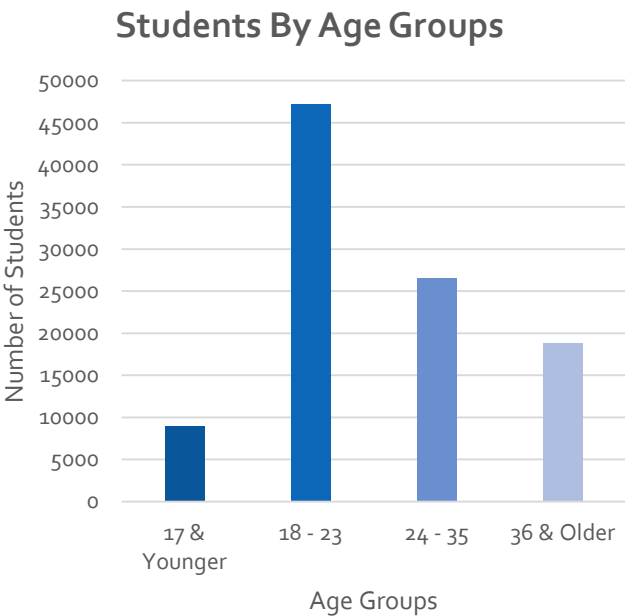
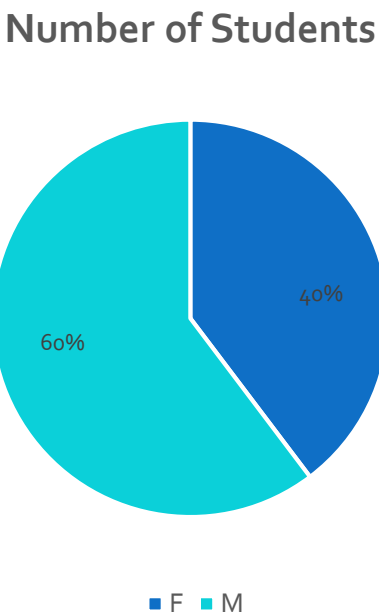
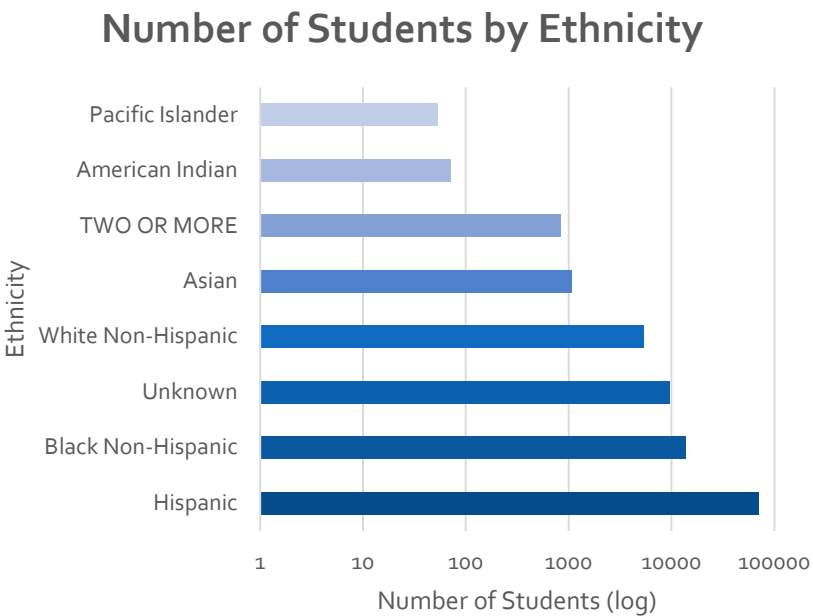
```
Declare @Total_Credits float, @Fall_Credits float, @Spring_Credits float, @Summer_Credits float
```

```
set @Total_Credits = (SELECT SUM(CREDITS) FROM Enrollment_Sample)
set @Fall_Credits = (SELECT SUM(CREDITS) FROM Enrollment_Sample WHERE ENROLLMENT_TERM =2197)
set @Spring_Credits = (SELECT SUM(CREDITS) FROM Enrollment_Sample WHERE ENROLLMENT_TERM=2203)
set @Summer_Credits = (SELECT SUM(CREDITS) FROM Enrollment_Sample WHERE ENROLLMENT_TERM=2205)
```

```
SELECT
    @Total_Credits AS 'Total Credits',
    @Fall_Credits AS 'Fall_2019',
    @Spring_Credits AS 'Spring_2020',
    @Summer_Credits AS 'Summer_2020'
```

	Total Credits	Fall_2019	Spring_2020	Summer_2020
1	1425106.84999779	607008.198332346	556325.934998947	261772.716666768

# What does our student body look like?



# Student Demographics

```
---Student Ethnicities
```

```
-- Identify students with multiple Ethnicity values
```

```
SELECT Dummy_Student_ID, Count( Dummy_Student_ID) FROM (SELECT DISTINCT Dummy_Student_ID, ETHNICITY FROM Enrollment_Sample GROUP BY Dummy_Student_ID, ETHNICITY)subquery  
GROUP BY Dummy_Student_ID  
Having Count( Dummy_Student_ID) > 1
```

```
SELECT Dummy_Student_ID, ETHNICITY FROM Enrollment_Sample  
WHERE Dummy_Student_ID = 35023
```

```
--Temp Table with updated values
```

```
SELECT *  
INTO #Temp_enrollement_sample  
FROM Enrollment_Sample
```

```
-- Update Ethnicity of students with multiple ethnicity values
```

```
UPDATE #Temp_enrollement_sample  
SET ETHNICITY = 'TWO OR MORE'  
WHERE Dummy_Student_ID IN (SELECT Dummy_Student_ID FROM  
(SELECT Dummy_Student_ID, Count( Dummy_Student_ID) AS 'Ethnicities' FROM  
(SELECT DISTINCT Dummy_Student_ID, ETHNICITY FROM Enrollment_Sample GROUP BY Dummy_Student_ID, ETHNICITY)subquery  
GROUP BY Dummy_Student_ID  
Having Count( Dummy_Student_ID) > 1)MultipleEthnicity)
```

```
--Number of Students by ethnicity
```

```
SELECT ETHNICITY, COUNT(DISTINCT Dummy_Student_ID) AS 'Number of Students'  
FROM #Temp_enrollement_sample  
GROUP BY ETHNICITY  
ORDER BY [Number of Students] DESC
```



```
-- Students by Gender
```

```
-- Find Students with multiple assigned genders
```

```
SELECT Dummy_Student_ID, Count( Dummy_Student_ID) AS 'Genders' FROM (SELECT DISTINCT Dummy_Student_ID, SEX FROM Enrollment_Sample GROUP BY Dummy_Student_ID, SEX)subquery  
GROUP BY Dummy_Student_ID  
Having Count( Dummy_Student_ID) > 1
```

```
-- Validation test
```

```
SELECT Dummy_Student_ID, MAX(ENROLLMENT_TERM), SEX FROM Enrollment_Sample  
WHERE Dummy_Student_ID = 62389  
GROUP BY Dummy_Student_ID,SEX, ENROLLMENT_TERM  
ORDER BY ENROLLMENT_TERM DESC
```

```
--Students By Gender
```

```
SELECT SEX, COUNT (DISTINCT t.Dummy_Student_ID) AS 'Number of Student'  
FROM (SELECT Dummy_Student_ID, MAX(ENROLLMENT_TERM) AS 'Last_Enrolled' FROM Enrollment_Sample GROUP BY Dummy_Student_ID) as t  
LEFT JOIN Enrollment_Sample as e ON t.Last_Enrolled = e.Dummy_Student_ID  
WHERE Last_Enrolled = ENROLLMENT_TERM  
GROUP BY SEX  
;
```

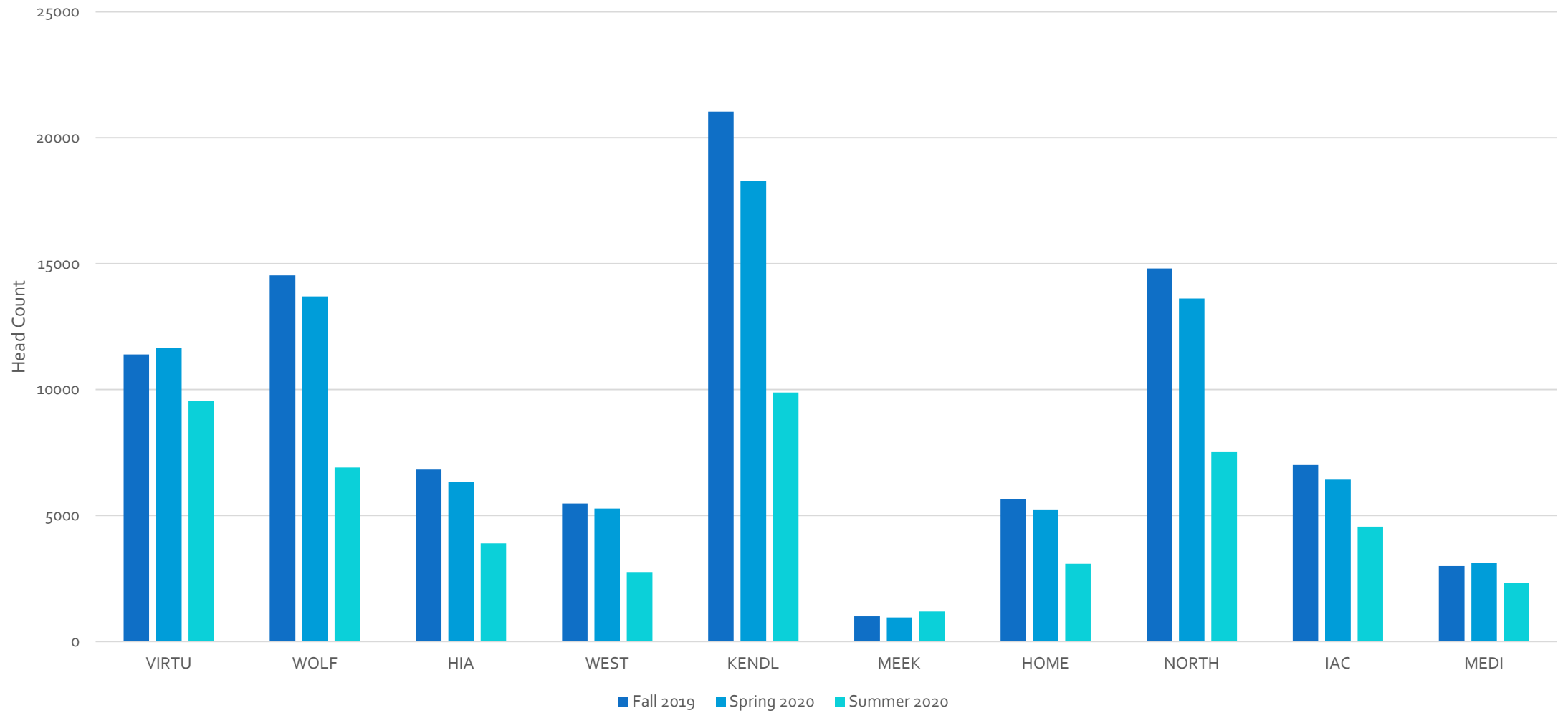
```
--Student age groups
```

```
SELECT * FROM  
(SELECT COUNT(Dummy_Student_ID) AS '17 & Younger' FROM (SELECT DISTINCT Dummy_Student_ID, Min(AGE) AS 'AGE' FROM Enrollment_Sample GROUP BY Dummy_Student_ID) AS Student_AGE  
WHERE AGE <= 17 or AGE IS NULL) AS AGE_GROUP_1  
CROSS JOIN  
(SELECT COUNT(Dummy_Student_ID) AS '18 - 23' FROM (SELECT DISTINCT Dummy_Student_ID, Min(AGE) AS 'AGE' FROM Enrollment_Sample GROUP BY Dummy_Student_ID) AS Student_AGE  
WHERE AGE BETWEEN 18 and 23) AS AGE_GROUP_2  
CROSS JOIN  
(SELECT COUNT(Dummy_Student_ID) AS '24 - 35' FROM (SELECT DISTINCT Dummy_Student_ID, Min(AGE) AS 'AGE' FROM Enrollment_Sample GROUP BY Dummy_Student_ID) AS Student_AGE  
WHERE AGE BETWEEN 24 and 35) AS AGE_GROUP_3  
CROSS JOIN  
(SELECT COUNT(Dummy_Student_ID) AS '36 & Older' FROM (SELECT DISTINCT Dummy_Student_ID, Min(AGE) AS 'AGE' FROM Enrollment_Sample GROUP BY Dummy_Student_ID) AS Student_AGE  
WHERE AGE >= 36) AS AGE_GROUP_4
```

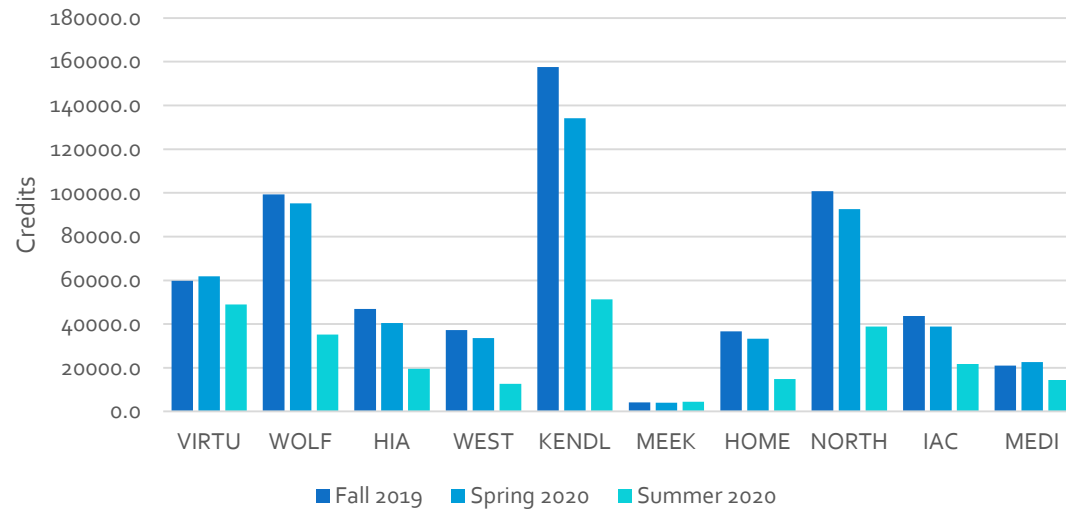
# Enrollment by Campus



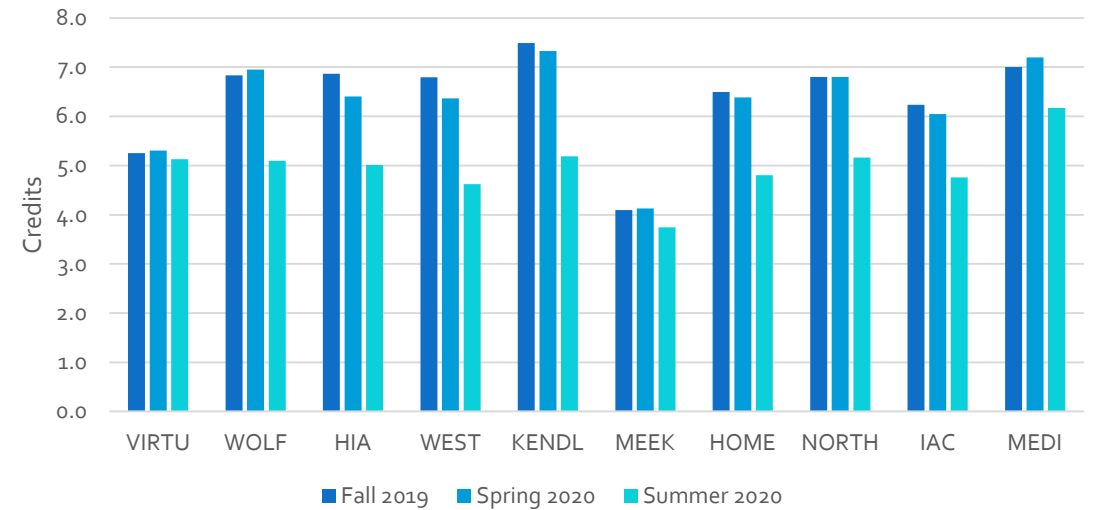
## Student Head Count by Campus



### Total Credits by Campus



### Average Credits per Student by Campus



Fall 2019			
Location/Campus	Students Head Count	Total Credits	Average Credits
COLLEGE WIDE	75290	607008.2	8.1
VIRTU	11394	59834.0	5.3
WOLF	14538	99342.8	6.8
HIA	6821	46828.4	6.9
WEST	5481	37251.0	6.8
KENDL	21037	157625.6	7.5
MEEK	1000	4094.0	4.1
HOME	5650	36718.0	6.5
NORTH	14812	100701.5	6.8
IAC	7005	43685.7	6.2
MEDI	2987	20927.1	7.0

Spring 2020			
Location/Campus	Students Head Count	Total Credits	Average Credits
COLLEGE WIDE	68401	556325.9	8.1
VIRTU	11639	61766.0	5.3
WOLF	13699	95192.1	6.9
HIA	6329	40516.3	6.4
WEST	5276	33590.2	6.4
KENDL	18294	134078.4	7.3
MEEK	956	3947.0	4.1
HOME	5213	33263.2	6.4
NORTH	13617	92613.6	6.8
IAC	6420	38804.2	6.0
MEDI	3132	22555.0	7.2

Summer 2020			
Location/Campus	Students Head Count	Total Credits	Average Credits
COLLEGE WIDE	35964	261772.7	7.3
VIRTU	9551	49019.5	5.1
WOLF	6905	35207.2	5.1
HIA	3889	19492.6	5.0
WEST	2751	12713.2	4.6
KENDL	9882	51234.8	5.2
MEEK	1186	4439.0	3.7
HOME	3079	14786.5	4.8
NORTH	7518	38790.5	5.2
IAC	4555	21681.3	4.8
MEDI	2335	14408.2	6.2

# Campus Enrollments by Semester

```
--151,388 Total Student enrollments for campuses
```

```
-- Total Students By Campus and Total Credits  
-- Year 2019 - 2020
```

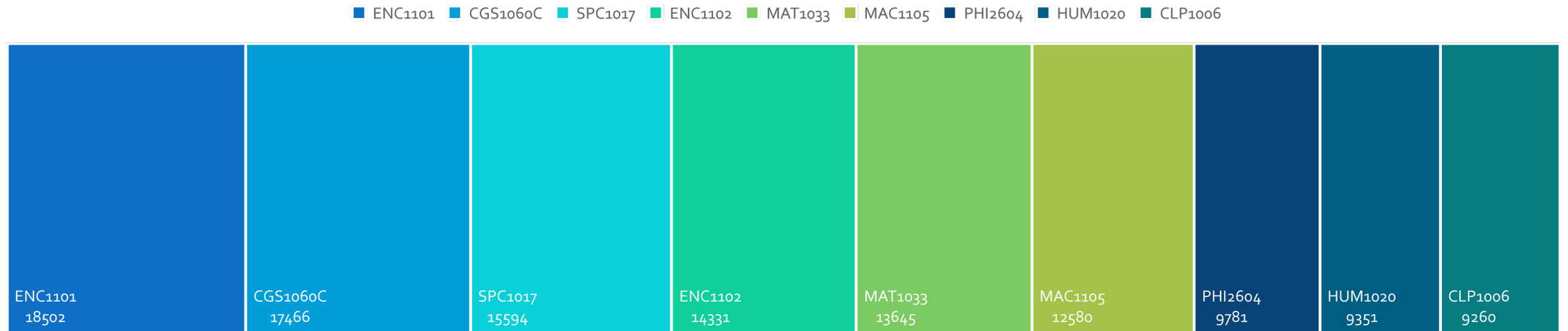
```
SELECT *  
--2019-2020  
FROM (SELECT 'COLLEGE WIDE' AS 'Location/Campus', COUNT(Dummy_Student_ID) AS 'Students Head Count', SUM([Total Credits per Student]) AS 'Total Credits', AVG([Total Credits per Student]) AS 'Average Credits'  
FROM (SELECT Dummy_Student_ID, SUM(CREDITS) AS 'Total Credits per Student'  
FROM Enrollment_Sample  
GROUP BY Dummy_Student_ID) AS [College Wide Student Credits]  
UNION ALL  
SELECT COURSE_CAMPUS, COUNT(COURSE_CAMPUS) AS 'Number of Students',  
SUM([Credits By Campus]) AS [Credits By Campus], AVG([Credits By Campus]) AS 'Average Credits'  
FROM (SELECT Dummy_Student_ID, COURSE_CAMPUS, SUM(CREDITS) AS 'Credits By Campus' FROM Enrollment_Sample  
GROUP BY Dummy_Student_ID, COURSE_CAMPUS) AS [Students by Campus]  
GROUP BY COURSE_CAMPUS) AS Enrollment_Locations_1920  
  
JOIN  
-- Fall 2019  
(SELECT * FROM (SELECT 'COLLEGE WIDE' AS 'Location/Campus', COUNT(Dummy_Student_ID) AS 'Students Head Count', SUM([Total Credits per Student]) AS 'Total Credits', AVG([Total Credits per Student]) AS 'Average Credits'  
FROM (SELECT Dummy_Student_ID, SUM(CREDITS) AS 'Total Credits per Student'  
FROM Enrollment_Sample  
WHERE ENROLLMENT_TERM = 2197  
GROUP BY Dummy_Student_ID) AS [College Wide Student Credits]  
UNION ALL  
SELECT COURSE_CAMPUS, COUNT(COURSE_CAMPUS) AS 'Number of Students',  
SUM([Credits By Campus]) AS [Credits By Campus], AVG([Credits By Campus]) AS 'Average Credits'  
FROM (SELECT Dummy_Student_ID, COURSE_CAMPUS, SUM(CREDITS) AS 'Credits By Campus' FROM Enrollment_Sample  
WHERE ENROLLMENT_TERM = 2197  
GROUP BY Dummy_Student_ID, COURSE_CAMPUS) AS [Students by Campus]) AS Enrollment_Locations_2197
```

Activate Windows

# Course Offerings

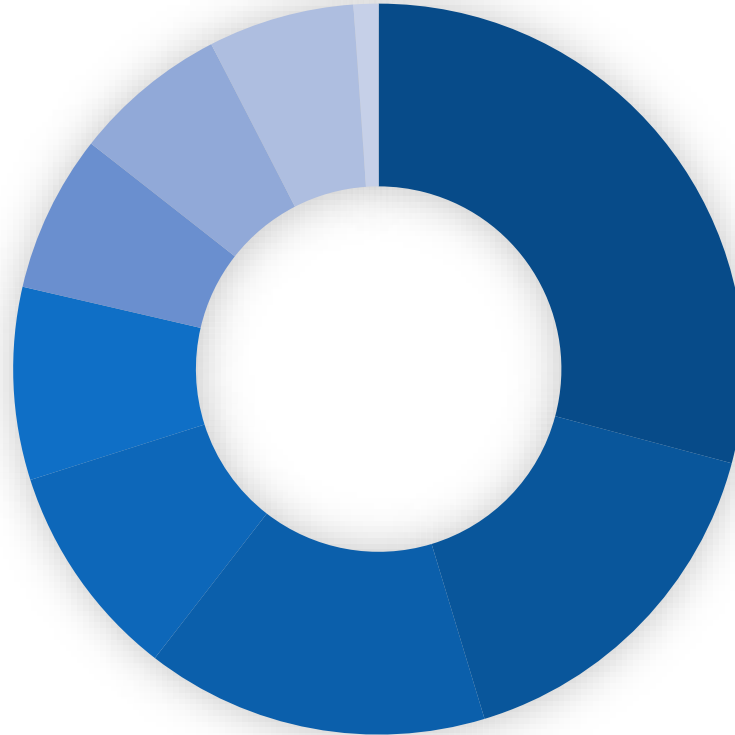


Top 10 Courses Enrolled



# Most Registered Courses





■ KENDL ■ NORTH ■ WOLF ■ HIA ■ VIRTU ■ HOME ■ WEST ■ IAC ■ MEEK

# ENC1101

--Course Offerings

-- Total Number of Students for Each Class offering  
-- (size of each class)

```
SELECT
    COUNT(CLASS_NBR),
    CRSNAME,
    CLASS_DESCR,
    ENROLLMENT_TERM
FROM Enrollment_Sample
WHERE ENROLLMENT_TERM = 2197 --Fall Term
GROUP BY CLASS_NBR,CRSNAME,CLASS_DESCR, ENROLLMENT_TERM
```

-----  
-- Total Students registered for each class during the academic year

```
SELECT
    CRSNAME,
    CLASS_DESCR,
    COUNT(CLASS_NBR) AS 'Total Students'
FROM Enrollment_Sample
GROUP BY CRSNAME,CLASS_DESCR
ORDER BY [Total Students] DESC
```

-----  
-- Total Students that registered for the top class by campus

```
SELECT
    'COLLEGE WIDE' AS 'Location/Campus',
    CRSNAME,
    CLASS_DESCR,
    COUNT(CLASS_NBR) AS 'Total Students'
FROM Enrollment_Sample
WHERE CRSNAME LIKE 'ENC1101'
--AND ENROLLMENT_TERM = 2197 --Fall Term
GROUP BY CRSNAME,CLASS_DESCR --CLASS_NBR
UNION ALL
SELECT
    COURSE_CAMPUS,
    CRSNAME,
    CLASS_DESCR,
    COUNT(CLASS_NBR) AS 'Total Students'
FROM Enrollment_Sample
WHERE CRSNAME LIKE 'ENC1101'
GROUP BY CRSNAME,CLASS_DESCR, COURSE_CAMPUS
ORDER BY [Total Students] DESC
```