IPEDS 12-month Enrollment Report

**Purpose**

This IPEDS 12-month enrollment report is a part of IPEDS data collection in Fall. It is displaying unduplicated student headcounts by institution for the chosen IPEDS year (July 1- June 30). It returns student ethnic group, sex, level, and enrollment status.

**Report Location**

Power BI App (IR Share) : Restricted to IPEDS Keyholders. Row Level Security is set by institution.

Power BI App (UMS Reports) : Open to all UMS personnel. This version contains fewer pages.

Please contact us at DARTS@maine.edu for requesting new access.

**Report Name**

IPEDS 12-month Enrollment Report

**Report Type**

Power BI

**Pages**

There are multiple pages on the report. Please click the list of page names on the left column of the report site. Only one term can be selected at a time on each page.

1. **Undergraduate**: This page is corresponded to the "Part A - Unduplicated Count for Full-time Undergraduate Students section" on IPEDS instruction. Headcount by category, sex, and ethnicity. This page can be viewed by full-time or part-time status.

2. **Graduate**: This page is corresponded to "Part A- Unduplicated Count for Graduate Students" on IPEDS instruction. Headcount by sex and ethnicity.

3. **Distance Ed/ Credit hours**: This page is corresponded to "Part A– 12-month Enrollment by Distance Education Status" on IPEDS instruction. Headcount by distance education status and level (undergraduate/ graduate), and degree-seeking status for undergraduate students. It also contains "Part B - Instructional Activity" on IPEDS instruction, which has the total credit hours and FTE.

4. **Gender/ Dual Enrolled**: This page is corresponded to "Part A-Gender Unknown or Another Gender than Provided Categories" and "Part C – Unduplicated Count of Dual Enrolled Students" on IPEDS instruction. Another gender data is not available yet.

5. **EMPLID Search** *(For restricted version only)*: This page is used for data validation. The data can be searched by EMPLID.

6. **Data Validation** *(For restricted version only)*: This page is used for data validation. The data can be searched by IPEDS year, level, full/part time, and degree/non-degree status.

7. **Credit hours validation** *(For restricted version only)*: This page is used for data validation for credit hours including cross-listed courses hours.

**Source:**

IPEDS 2021-2022 Survey Materials

**JIRA Reference:**

REPORT-416 - Jira project doesn't exist or you don't have permission to view it.

REPORT-764 - Jira project doesn't exist or you don't have permission to view it.

This report was historically in SQR (umi pdudp.sqr).
Data Source Table / Views

A couple of tables and views have been created for this report in SQL Server.

1. CS_Multi_Term_Tbl: This is the base table and has list of courses students enrolled along with students' demographic data. IPEDS_YEAR was added based on course start date from July 1 through June 30 of the year. For example, IPEDS_YEAR of "2021" indicates class start date is between 7/1/2020 and 6/30/2021. New IPEDS year will be loaded after summer census. PeopleSoft table used are:
   a. UM_STUD_CENS_VW - Student Reporting Extract - getting student's demographic data
   b. UM_STD_ENR_C_VW - Student Enrollment Table - getting student's course enrollment data
   c. CLASS_TBL - Class Table - getting course start date
   d. UM_STDNT_COHORT - Student Cohort - getting cohort type (first-time/transfer)
   e. SQL for CS_Multi_Term_Tbl (IPEDS Year 2021 example)

   ```sql
   SELECT DISTINCT
   A.STRM,
   '2021' IPEDS_YEAR,
   A.INSTITUTION,
   A.UM_INST_HOST,
   A.EMPLID,
   A.ACAD_PROG_PRIMARY,
   A.UM_DEGREE_NONDEG,
   A.UM_ETHNIC_GRP_DESC,
   A.Acad_Level_Bot,
   A.Um_Unt_Tak_Prg_Rc,
   A.SEX,
   A.ACAD_CAREER,
   B.STDNT_ENRL_STATUS,
   B.CRSE_CAREER,
   A.ADMIT_TERM,
   A.ADMIT_TYPE,
   A.RESIDENCY,
   A.ACAD_PROG,
   A.ACAD_PLAN,
   A.UM_ACAD_PLAN_DESCR,
   A.CITY,
   A.STATE,
   A.STATE_DESCR1,
   A.POSTAL,
   A.COUNTRY,
   A.COUNTRY_DESCR1,
   B.SUBJECT,
   B.CATALOG_NBR,
   B.CLASS_SECTION,
   B.CLASS_NBR,
   B.DESC,
   B.ACAD_ORG,
   B.UM_ACAD_ORG_DESCR,
   B.UNT_PRGRSS,
   B.UNIT_PRGRSS_FA,
   B.CAMPUS,
   B.LOCATION,
   B.DESC_LOCATION,
   B.um_class_dlv_mode,
   B.um_dist_class,
   B.UM_DIST_ATTR_FLAG,
   B.INSTRUCTION_MODE,
   E.START_DT,
   ```

- IPEDS 12 month Enrollment Report Issue - Fall 2022 submission
- IPEDS 12 month Enrollment Report (Fall 2021 version)
F.Um_Cohort_Type,  
A.Degree,  
CASE  
WHEN F.Um_Cohort_Type in ('FYR', 'EFY') then 'First-time'  
WHEN F.Um_Cohort_Type = 'TRF' then 'Transfer-in'  
else 'Continuing'  
end as cohort_category,  
'CS_IPEDS_MT' DI_Job_Pid,  
sydate DI_Create_Date,  
sydate DI_Modified_Date  
FROM SYSADM.PS_UM_STUD_CENS_VW A  
LEFT OUTER JOIN SYSADM.PS_UM_STD_ENR_C_VW B  
ON A.EMPLID = B.EMPLID  
AND A.INSTITUTION = B.INSTITUTION  
AND A.STRM = B.STRM  
LEFT OUTER JOIN SYSADM.PS_CLASS_TBL E  
ON B.INSTITUTION = E.INSTITUTION  
AND B.STRM = E.STRM  
AND B.CLASS_NBR = E.CLASS_NBR  
LEFT OUTER JOIN SYSADM.PS_um_stdnt_cohort F  
on A.INSTITUTION = F.INSTITUTION  
and A.ACAD_CAREER = F.ACAD_CAREER  
and A.emplid = F.EMPLID  
and A.strm = F.Um_Cohort_Strm  
and F.um_cohort_code='RETENTION'  
and ((F.action_dt = (SELECT MAX(F_ED.action_dt)  
FROM sysadm.ps_um_stdnt_cohort F_ED  
WHERE F.INSTITUTION = F_ED.  
INSTITUTION  
and F.ACAD_CAREER = F_ED.ACAD_CAREER  
and F.EMPLID = F_ED.EMPLID  
and F.UM_COHORT_STRM = F_ED.UM_COHORT_STRM  
and F.um_cohort_code = F_ED.um_cohort_code  
and F_ED.action_dt <= SYSDATE)) or  
F.action_dt is null)  
WHERE A.STRM BETWEEN '2030' AND '2130'  
AND E.START_DT BETWEEN TO_DATE('2030-01-01','YYYY-MM-DD') AND TO_DATE('2031-12-31','YYYY-MM-DD')

2. **CS_MTT_Emplid_Listing_VW** : Getting a list of EMPLID with student's first term based on the hierarchy for each IPEDS year. The hierarchy used is fall > spring > summer of the first year > summer of the second year. UM and UMM data have been combined.
2. SQL for CS_MTT_Emplid_Listing_VW

```sql
select distinct
d.emplid,
d.ipeds_year,
d.INST_COMBINED,
substring(d.min_strm, 2, 4) First_Full_STRM
from (SELECT
  a.EMPLID,
  a.IPEDS_YEAR,
  CASE WHEN a.INSTITUTION = 'UMS04' THEN 'UMS05' ELSE a.INSTITUTION
END as INST_COMBINED,
  min(c.strm_order) min_strm
FROM [UMS_CS_DM_DEV].[dbo].[CS_Multi_Term_Tbl] a
left outer join (select
  b.emplid,
  b.ipeds_year,
  b.INSTITUTION,
  substring(b.STRM, 3, 1) + b.STRM strm_order
FROM [UMS_CS_DM_DEV].[dbo].[CS_Multi_Term_Tbl] b) c
  on a.EMPLID = c.Emplid
  and a.ipeds_year = c.ipeds_year
  and a.INSTITUTION = c.INSTITUTION
  group by a.EMPLID, a.IPEDS_YEAR, CASE WHEN a.INSTITUTION =
  'UMS04' THEN 'UMS05' ELSE a.INSTITUTION END) d
```
```sql
SELECT
    a.EMPLID,
    a.STRM,
    a.IPEDS_YEAR,
    a.INST_COMBINED,
    a.SEX,
    a.UM_ETHNIC_GRP_DESC,
    a.ACAD_CAREER,
    a.UM_DEGREE_NONDEG,
    a.COHORT_CATEGORY,
    a.UNT_PRGRSS,
    CASE
        WHEN a.ACAD_PROG_PRIMARY IN ('NDEC', 'NECN') THEN 'Y'
        ELSE 'N'
    END AS Early_Coll
FROM (SELECT
    f.EMPLID,
    f.STRM,
    f.IPEDS_YEAR,
    f.institution AS INST_COMBINED,
    f.acad_prog_primary,
    MIN(f.SEX) SEX,
    MAX(f.UM_ETHNIC_GRP_DESC) UM_ETHNIC_GRP_DESC,
    MIN(f.ACAD_CAREER) ACAD_CAREER,
    MIN(f.UM_DEGREE_NONDEG) UM_DEGREE_NONDEG,
    MAX(f.COHORT_CATEGORY) COHORT_CATEGORY,
    SUM(f.UNT_PRGRSS) UNT_PRGRSS
    FROM [UMS_CS_DM_PRD].[dbo].[CS_Multi_Term_Tbl] f
    WHERE f.INSTITUTION NOT IN ('UMS05','UMS04')
    GROUP BY f.EMPLID, f.STRM, f.IPEDS_YEAR, f.institution, f.acad_prog_primary
    UNION
    SELECT
    c.EMPLID,
    c.STRM,
    c.IPEDS_YEAR,
    c.acad_prog_primary,
    'UMS05' AS INST_COMBINED,
    MIN(c.SEX) SEX,
    MAX(c.UM_ETHNIC_GRP_DESC) UM_ETHNIC_GRP_DESC,
    MIN(c.ACAD_CAREER) ACAD_CAREER,
    MIN(c.UM_DEGREE_NONDEG) UM_DEGREE_NONDEG,
    MAX(c.COHORT_CATEGORY) COHORT_CATEGORY,
    e.UNT_PRGRSS
    FROM [UMS_CS_DM_PRD].[dbo].[CS_Multi_Term_Tbl] c
    LEFT OUTER JOIN (SELECT
        d.EMPLID,
        d.STRM,
        d.IPEDS_YEAR,
        SUM(d.UNT_PRGRSS) UNT_PRGRSS
        FROM [UMS_CS_DM_PRD].[dbo].[CS_Multi_Term_Tbl] d
        WHERE d.INSTITUTION IN ('UMS05','UMS04')
        GROUP BY d.EMPLID, d.STRM, d.IPEDS_YEAR) e
    ON c.emplid = e.EMPLID
    AND c.strm = e.STRM
    AND c.IPEDS_YEAR = e.IPEDS_YEAR
    WHERE c.INSTITUTION IN ('UMS05','UMS04')
    AND c.UM_DEGREE_NONDEG = (SELECT MIN(aaa.UM_DEGREE_NONDEG)
        FROM [UMS_CS_DM_PRD].[dbo].[CS_Multi_Term_Tbl] aaa
        WHERE c.EMPLID = aaa.EMPLID
        AND c.STRM = aaa.STRM
        AND c.INSTITUTION IN ('UMS05','UMS04'))
    GROUP BY c.EMPLID, c.STRM, c.IPEDS_YEAR, e.UNT_PRGRSS, c.acad_prog_primary) A
```
Another table, Credit hours based on UM_INST_HOST, was created in Power BI to validate cross-listed courses hours. The fields are from CS_Multi_Term_Tbl and UM and UMM were combined.

**Data Fields Generated**

Below is an example of "Undergraduate" page on the report.

**Data Source on Report**

The views (CS_MTT_Empid_Listing_VW, CS_MTT_Distance_Count_VW and CS_MTT_Student_Demographic_VW) were merged by first full term of the student per institution. (For UM & UMM, the data was combined). The student's demographic data (level, full/part time, sex, ethnicity, degree /non degree, plan, and first time/ transfer category) is based on the student's first full term.

The distance category is based on IPEDS year per student by institution.

The sum of credit hours is based on IPEDS year per student by institution.
<table>
<thead>
<tr>
<th>Field on report</th>
<th>Field used from table or Calculation (alias A= CS_MTT_Empid_Listing_VW, B= CS_MTT_Distance_Count_VW and C= CS_MTT_Student_Demographic_VW)</th>
<th>More information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campus</td>
<td>A.INSTITUTION</td>
<td>Crosswalk created in Power BI.</td>
</tr>
<tr>
<td>IPEDS year</td>
<td>Based on class start date (START_DT field on PS_CLASS_TBL)</td>
<td>&quot;2021&quot; indicates class start date is between 7/1/2020 and 6/30/2021.</td>
</tr>
<tr>
<td>Level</td>
<td>Case when C.ACAD_CAREER = 'UGRD' then 'Undergraduate' else 'Graduate' end</td>
<td>Based on IPEDS definition of nine credits rather than the six credits required by the UMS. See Full-Time Student definition for more information.</td>
</tr>
<tr>
<td>Full/ Part time</td>
<td>CASE WHEN C.ACAD_CAREER = 'GRAD' AND C. UNT_PRGRESS &gt;= 9 THEN 'Full-Time' WHEN C.UNIT_PRGRESS &gt;= 12 THEN 'Full-Time' ELSE 'Part-Time' END</td>
<td>Based on IPEDS definition of nine credits rather than the six credits required by the UMS. See Full-Time Student definition for more information.</td>
</tr>
<tr>
<td>Sex</td>
<td>Case when C.SEX = 'M' then 'Men' else 'Women' end</td>
<td>This field was added for Part A - Gender Unknown or another gender than Men/Women categories question (revised on September 2022)</td>
</tr>
<tr>
<td>ETHNICITY</td>
<td>C.UM_ETHNIC_GRP_DESC</td>
<td>Sort order:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1. U.S. Nonresident (changed from &quot;NonResident Alien&quot; in fall 2022 collection)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Hispanic/Latino</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. American Indian/ Alaskan Native</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4. Asian</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5. Black/ African American</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6. Native Hawaiian/ Pacific Islander</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7. White</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8. Two or More Races</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9. Unknown</td>
</tr>
<tr>
<td>Category (First-time/ Transfer-in/ Continuing)</td>
<td>CASE WHEN C.Um_Cohort_Type in ('FYR', 'EFY') then 'First-time' WHEN C.Um_Cohort_Type = 'TRF' then 'Transfer-in' WHEN C.UM_DEGREE_NONDEG = 'Non-Degree' else 'Continuing' end</td>
<td>Sort order:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1. First-time</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Transfer-in</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. Continuing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4. Non-degree</td>
</tr>
<tr>
<td>Degree/ certificate seeking</td>
<td>Created in PBI using Category field above. if [CATEGORY] = &quot;Non-Degree&quot; then &quot;Non-Degree/non-certificate-seeking&quot; else &quot;Degree/certificate-seeking&quot;</td>
<td></td>
</tr>
<tr>
<td>Distance Category</td>
<td>The logic is on SQL code for B-CS_MTT_Distance_Count_VW. It is based on UM_DIST_CLASS on UM_STD_ENR_C_VW. Count class of distance courses and total count. If distance course count is same as the total count, it is coded as &quot;Distance Only&quot;. If distance course is 0, &quot;In-person only&quot;, The rest will be &quot;Both&quot;.</td>
<td>The SQL for UM_DIST_CLASS is on this page.</td>
</tr>
<tr>
<td>Credit hours</td>
<td>( \text{SUM(C.UNT_PRGRESS)} ) by UM_INST_HOST or by \text{INSTITUTION} * Credit hours on &quot;Instructional Activity&quot; is based on host institution whereas credit hours for FTE is based on home institution. The level is based on student level. Please go to cross-listed courses reporting page for more information.</td>
<td>by ACAD_CAREER of student</td>
</tr>
<tr>
<td>FTE</td>
<td>( \text{SUM(C.UNT_PRGRESS)} ) for INSTITUTION is divided by the divisor listed on the table. FTE calculation varies across student level and institution. Please choose appropriate divisor. For those who has cross-listed courses, their FTE should be overridden IPEDS' automatically calculated values.</td>
<td>by ACAD_CAREER of student</td>
</tr>
<tr>
<td>High school students enrolled in college courses for credit</td>
<td>ACAD_PROG_PRIMARY in ('NDEC', 'NECN') from UM_STUD_CENS_VW (Early college students) Early_Coll = 'Y' on CS_MTT_Student_Demographic_VW</td>
<td></td>
</tr>
</tbody>
</table>