



Wisconsin Technical College System (WTCS) to
the University of Wisconsin System (UWS)
Program Assessment Study

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INTRODUCTION

Background

Over the last 20 years, UW System (UWS) and UW institutions have worked with the Wisconsin Technical College System (WTCS) and Wisconsin Technical Colleges to expand opportunities for students transferring from WTCS associate degree programs. Currently, there are over 500 articulation agreements, which allow students to transfer courses from a specific program at a WTCS institution into a similar program at a UW institution and complete a bachelor's degree. The agreements provide transfer opportunities for students in applied associate degree programs beyond the general education and occupational/technical courses that may transfer on a course-to-course basis. Under the UWS undergraduate transfer policy, courses from WTCS applied associate degree programs may be accepted by UW System institutions in two ways: (1) credits from approved general education courses in social science, behavioral science, communications, mathematics, and natural science may transfer; and (2) WTCS students in applied associate degree programs may transfer additional coursework where WTCS/UWS program-to-program articulation agreements exist or the coursework may transfer on a course-to-course basis. 'Systemwide' agreements in the areas of nursing and early childhood education provide transfer opportunities for students from all areas of Wisconsin. In addition, many of the new and revised articulation agreements are aimed at a 2+2 model where the WTCS transfer students enter the UWS program with or close to junior standing.

In fall 2000, the Joint Administration Committee on Academic Programs (JACAP) established a joint working group to design an appropriate reporting mechanism for program assessment and improvement. In March 2001, a Data Exchange Memorandum of Understanding¹ between the WTCS Board and the UWS Board of Regents was developed. The group's primary goals were to: (1) track students who were enrolled at the WTCS and subsequently enrolled at the UWS and identify both their originating WTCS program and subsequent UWS major; (2) identify potential program areas for developing new transfer articulation agreements; and (3) assess the academic outcomes of these students, including retention and graduation. The working group's initial report in 2001 provided a baseline for the assessment of both current and new agreements. This ninth report continues the WTCS programs assessed in previous reports.

Establishment of a Cohort

Two factors determine a student's inclusion in the WTCS/UWS Assessment Study. First, the student must have initially enrolled at a WTCS institution. Second, the student must have concurrently or subsequently enrolled at a UW institution. Students' assignment to a specific cohort was based on their last year at the specific technical college and their initial year of UWS enrollment. For example, a student, who attended MATC-Madison in calendar years 1994 and 1995 and then enrolled at UW-Madison in fall 1996, would have a "Last WTCS Year" of 1995-96 and be in the 1996-97 UWS cohort. For additional information about the cohort formation, refer to the technical notes².

WTCS/UWS ENROLLMENT

The 2012 Program Assessment Study reports on 82,153 students who attended a WTCS institution in fiscal years 1994-95 through 2010-11 and concurrently or subsequently enrolled at a UW institution. Overall, most students initially enrolled at a UW institution in the year directly following their last WTCS year. Some students enrolled in the WTCS and UWS in the same academic year, either during the same term or at a WTCS institution one term and at a UW institution the following term, while many WTCS students began their UWS enrollment years after leaving the WTCS. For example, of the 4,654 students who were last enrolled in the WTCS in 1995-96 and concurrently or later enrolled in a UW institution, 1,823 (39%) students initially enrolled in a UW institution in 1996-97, 631 (14%) were enrolled in both Systems in 1995-96, and 2,200 (47%) waited more than one year before enrollment in the UWS (Table 1). Appendix A shows UWS enrollment for the overall cohort by WTCS institution and initial UWS enrollment year.

Table 1
WTCS/UWS Assessment Cohorts
by Last WTCS and Initial UWS Enrollment Years

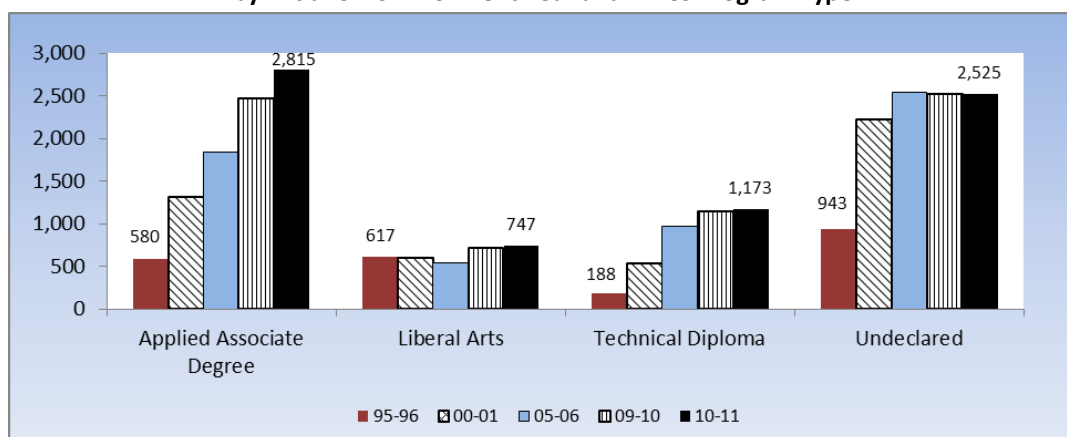
| Last WTCS Year | UWS Cohort Year | | | | | | | | | | | | | | | | Total |
|----------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | 09-10 | 10-11 | |
| 94-95 | 1,697 | 571 | 323 | 268 | 195 | 159 | 130 | 92 | 86 | 56 | 59 | 39 | 49 | 54 | 44 | 45 | 3,867 |
| 95-96 | 631 | 1,823 | 603 | 342 | 267 | 205 | 179 | 101 | 95 | 79 | 61 | 45 | 68 | 39 | 64 | 52 | 4,654 |
| 96-97 | | 651 | 1,752 | 623 | 365 | 285 | 213 | 167 | 110 | 81 | 84 | 71 | 66 | 63 | 55 | 44 | 4,630 |
| 97-98 | | | 684 | 2,059 | 676 | 364 | 295 | 192 | 124 | 131 | 81 | 76 | 76 | 69 | 76 | 68 | 4,971 |
| 98-99 | | | | 768 | 2,143 | 800 | 425 | 273 | 179 | 140 | 99 | 87 | 97 | 74 | 86 | 81 | 5,252 |
| 99-00 | | | | | 733 | 2,136 | 726 | 361 | 274 | 169 | 165 | 141 | 94 | 92 | 86 | 82 | 5,059 |
| 00-01 | | | | | | 721 | 2,369 | 757 | 346 | 253 | 172 | 132 | 133 | 98 | 88 | 85 | 5,154 |
| 01-02 | | | | | | | 832 | 2,418 | 784 | 375 | 251 | 208 | 163 | 140 | 95 | 105 | 5,371 |
| 02-03 | | | | | | | | 908 | 2,670 | 882 | 345 | 246 | 174 | 194 | 152 | 135 | 5,706 |
| 03-04 | | | | | | | | | 865 | 2,756 | 912 | 369 | 279 | 181 | 179 | 157 | 5,698 |
| 04-05 | | | | | | | | | | 922 | 2,792 | 867 | 404 | 243 | 210 | 165 | 5,603 |
| 05-06 | | | | | | | | | | | 878 | 2,749 | 828 | 390 | 309 | 210 | 5,364 |
| 06-07 | | | | | | | | | | | | 897 | 2,839 | 916 | 432 | 286 | 5,370 |
| 07-08 | | | | | | | | | | | | | 908 | 2,826 | 928 | 468 | 5,130 |
| 08-09 | | | | | | | | | | | | | | 1,003 | 2,995 | 1,011 | 5,009 |
| 09-10 | | | | | | | | | | | | | | | 1,049 | 3,156 | 4,205 |
| 10-11 | | | | | | | | | | | | | | | | 1,110 | 1,110 |
| Total | 2,328 | 3,045 | 3,362 | 4,060 | 4,379 | 4,670 | 5,169 | 5,269 | 5,533 | 5,844 | 5,899 | 5,927 | 6,178 | 6,382 | 6,848 | 7,260 | 82,153 |

STUDENT CHARACTERISTICS BY WTCS PROGRAM TYPE

The number of students who were enrolled in a WTCS applied associate degree program and then came to a UW has increased significantly over the last 16 years, from 580 in 1995-96 to 2,815 in 2010-11 (Figure 1). There has also been an increase in students who enrolled in WTCS technical diploma programs and concurrently or subsequently enrolled in the UW, from 188 in 1995-96 to 1,173 in 2010-11. In contrast, the number of students from liberal arts programs offered at Chippewa Valley, Madison Area, Milwaukee Area, Nicolet Area, and Western Technical Colleges has fluctuated between 500 and 700 prior to 2007-08 and increased gradually from 596 in 2007-08 to 747 in 2010-11. The largest group of WTCS students, who later attend a UW institution, were not enrolled in a specific WTCS program, increasing from 943 in 1995-96 to 2,525 in 2010-11. These undeclared students enrolled in a variety of WTCS courses. The top five instructional areas were social sciences, communication skills, natural sciences, mathematics, and nursing.

Of the 11,369 WTCS technical diploma students in the cohort, the majority (77%) were enrolled in the WTCS Health-Related Professions program group, 12 percent were enrolled in the Trades/Technical program group, and the remaining (11%) were in other WTCS program groups.

Figure 1
WTCS/UWS Assessment Cohorts
by Initial UWS Enrollment Year and WTCS Program Type



From 1995-96 to 2010-11, the percentage of the cohort enrolled in WTCS applied associate degree programs increased from 25 percent to 39 percent and the proportion of the cohort enrolled in technical diploma programs grew from 8 percent to 16 percent. In contrast, the share of WTCS liberal arts students in the cohort declined from 27 percent in 1995-96 to 10 percent in 2010-11 (Table 2).

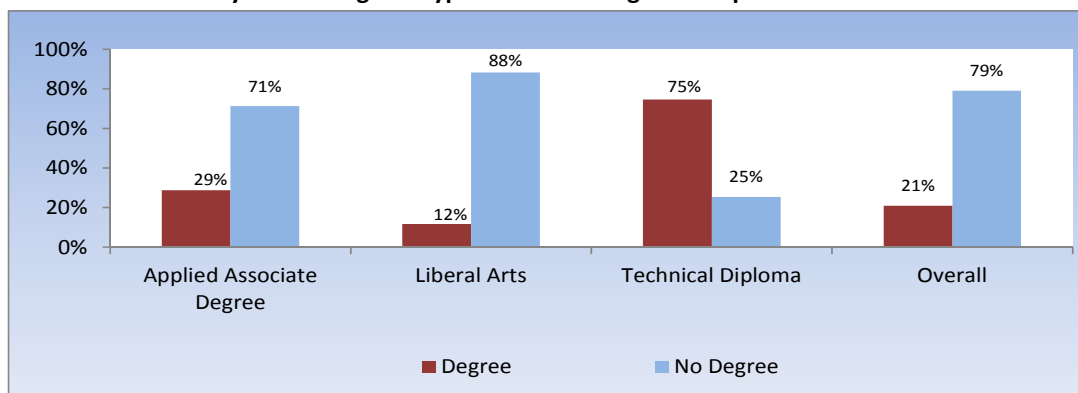
Table 2
WTCS/UWS Assessment Cohorts
by Initial UWS Enrollment Year and WTCS Program Type

| Program Type | UWS Cohort Year | | | | | Overall |
|--------------------------|-----------------|-------|-------|-------|-------|---------|
| | 95-96 | 00-01 | 05-06 | 09-10 | 10-11 | |
| Applied Associate Degree | 25% | 28% | 31% | 36% | 39% | 32% |
| Liberal Arts | 27% | 13% | 9% | 10% | 10% | 12% |
| Technical Diploma | 8% | 11% | 16% | 17% | 16% | 14% |
| Undeclared | 41% | 48% | 43% | 37% | 35% | 42% |
| Total | 100% | 100% | 100% | 100% | 100% | 100% |

WTCS Degree Completion Status

Of the WTCS students enrolled in applied associate degree programs who later attended a UW institution, 29 percent of the students earned a WTCS applied associate degree. Only 12 percent of the WTCS liberal arts students earned the WTCS Associate Degree in Arts or Science prior to enrolling at a UW institution. In contrast, 75 percent of the technical diploma students completed their program before their UWS enrollment. Appendix B shows UWS enrollment for the overall cohort by the UWS initial enrollment year, WTCS program type, and WTCS degree completion status.

Figure 2
WTCS/UWS Assessment Cohorts - Overall
by WTCS Program Type and WTCS Degree Completion Status

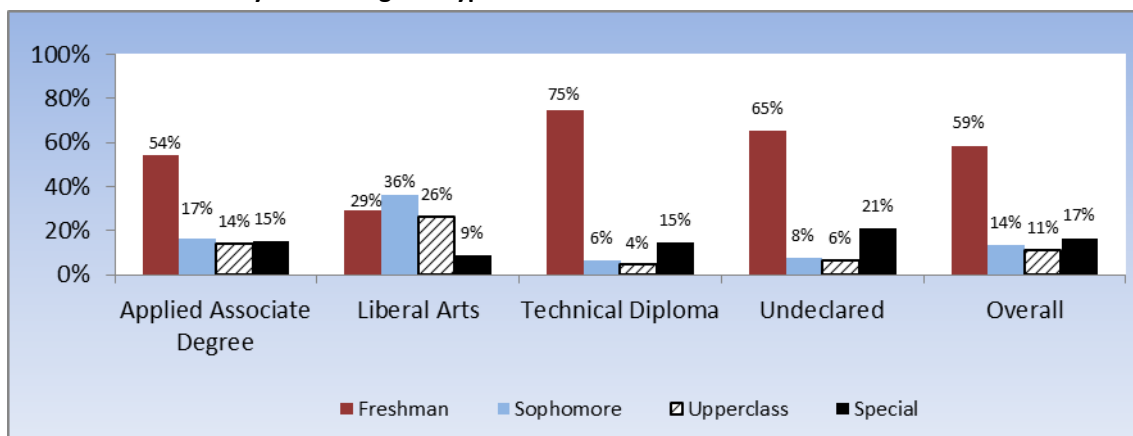


**Overall includes students who were not enrolled in a specific WTCS program.*

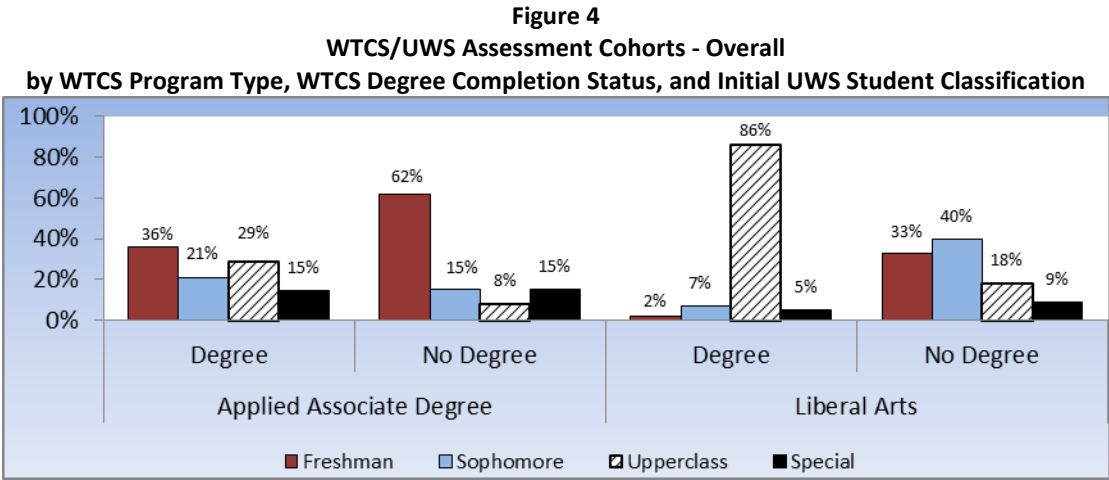
Initial UWS Student Classification³

The majority of WTCS students who were enrolled in applied associate degree programs (54%) and technical diplomas (75%) entered the UWS as freshmen, compared to 29 percent for students in WTCS liberal arts programs. For students who were not enrolled in a specific WTCS program, the percentage was 65 percent. Overall, 17 percent of the WTCS students in the cohort entered the UWS as special (non degree-seeking) students. While many special students enroll only to take a few courses, some of them may later enroll in degree programs and graduate. Appendix C presents the detailed information by initial UWS enrollment year and student classification.

Figure 3
WTCS/UWS Assessment Cohorts - Overall
by WTCS Program Type and Initial UWS Student Classification

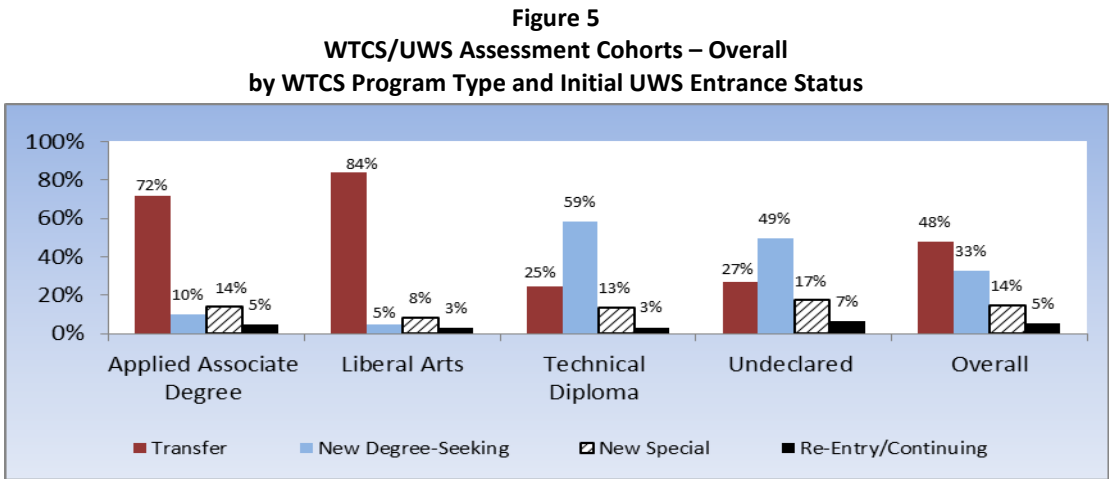


Students who earned a WTCS degree prior to their enrollment in the UWS were more likely to enter the UWS as upperclassmen (juniors/seniors) than students who did not earn a WTCS degree (Figure 4). Fifty percent (50%) of the students in the assessment cohort who earned a WTCS applied associate degree entered the UWS as sophomores (21%) or upperclassmen (29%), compared to 23 percent for those who enrolled in an applied associate degree program but did not complete it before their enrollment at the UWS. The gap for WTCS liberal arts students is 93 percent versus 58 percent. Appendix D shows enrollment by WTCS degree completion status and initial UWS student classification for applied associate degree and liberal arts students in selected years. The proportion of WTCS applied associate degree students who completed their degree program and entered the UWS as sophomores or upperclassmen increased from 45 percent in 1995-96 to 65 percent in 2010-11. The efforts of the two Systems to develop and expand articulation agreements may have contributed to the increase.



Initial UWS Entrance Status

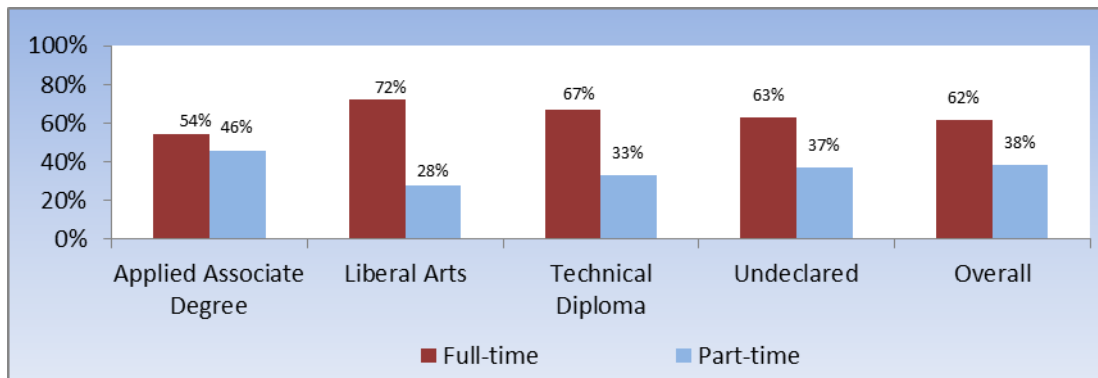
Almost half of the students (48% overall), coming to the UWS after attending a WTCS institution, entered as transfer students (Figure 5), that is, they notified the UW institution of their prior coursework and the transfer work was evaluated. One third of the students in the cohort were new, degree-seeking students. Often, these students receive credit for their prior coursework later in their UW enrollment. Since students who enroll as specials are not degree-seeking, their prior coursework is usually not evaluated. “Re-entry” students re-enrolled at the UW with no transfer work. “Continuing” students were enrolled at both a WTCS and UW institution during the same year. The proportion of WTCS students entering the UWS as transfer students varied by WTCS program type, from 25 percent for technical diploma students to 84 percent for liberal arts students. Appendix E shows enrollment of the overall cohort by entrance status and UW institution.



Initial UWS Full-Time/Part-Time Status

Overall, 62 percent of the WTCS students came to the UWS as full-time students. Students who were previously enrolled in WTCS liberal arts programs were more likely to attend the UWS as full-time students (72%).

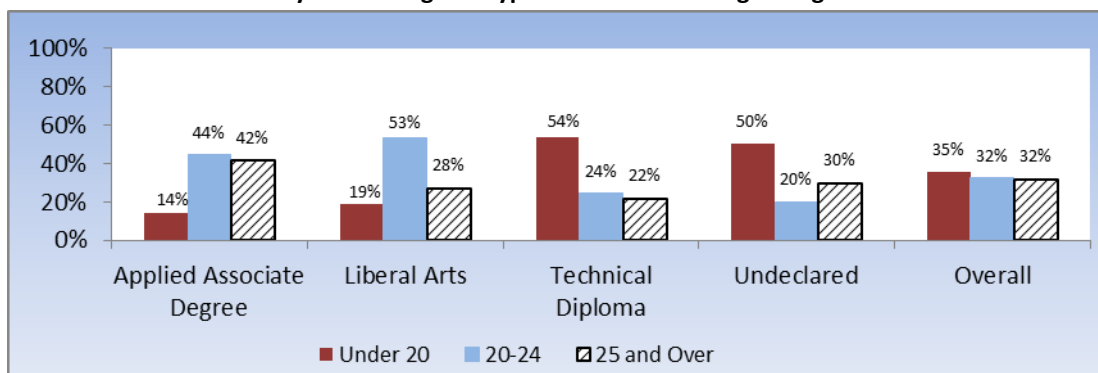
Figure 6
WTCS/UWS Assessment Cohorts - Overall
by WTCS Program Type and Initial UWS Full-Time/Part-Time Status



Initial UWS Age Range

The age distribution of students who were enrolled in the WTCS and later attended the UWS differed by WTCS program type. About half of the students who were enrolled in liberal arts programs or applied associate degree programs were between 20 and 24 years old. Half of the students enrolled in technical diploma programs and those not enrolled in any specific WTCS program were under 20 years old.

Figure 7
WTCS/UWS Assessment Cohorts - Overall
by WTCS Program Type and Initial UWS Age Range



Student Race/Ethnicity

Overall, 12 percent of the students (10,263) in the cohort were students of color, ranging from 11 percent (1,222) in technical diploma programs and 11 percent (3,827) for undeclared students to 18 percent (1,839) in liberal arts programs (Figure 8). The proportion of students of color, coming to the UWS after attending a WTCS institution, has increased in most recent years with a high of 16 percent in 2010-11 (Figure 9). Among the selected WTCS programs, WTCS students from Liberal Arts (18%), Information Technology (16%), Early Childhood Education (16%), Accounting (14%), and Criminal Justice (14%) were more likely to be students of color than those from Nursing (11%), Marketing (11%), and Engineering Technology (9%).

Figure 8
WTCS/UWS Assessment Cohorts - Overall
by WTCS Program Type and Race/Ethnicity

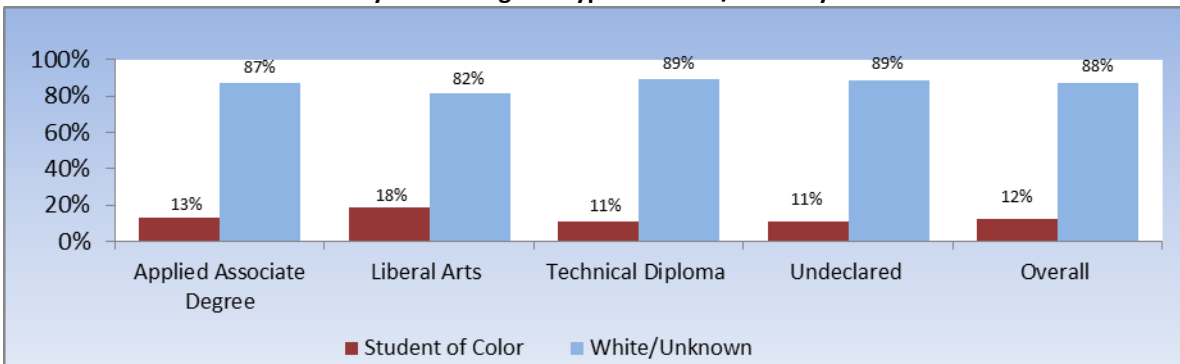
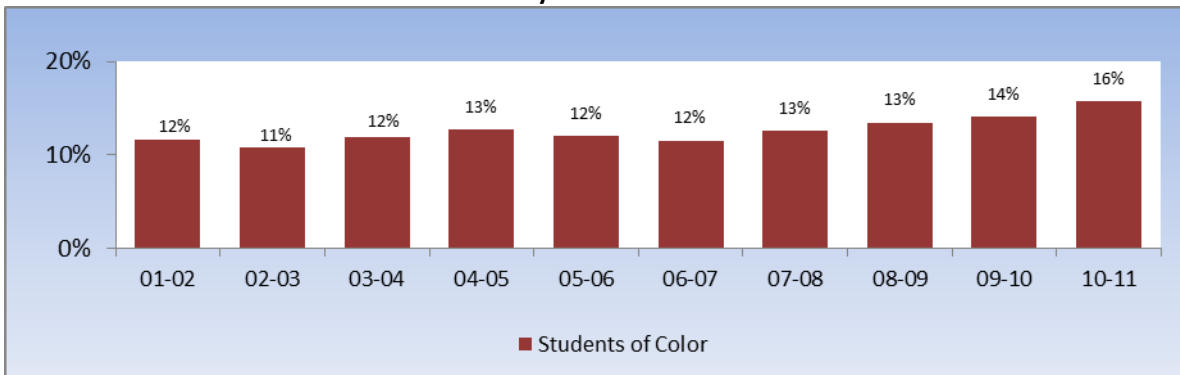


Figure 9
WTCS/UWS Assessment Cohorts - Overall
Students of Color by Initial UWS Enrollment Year

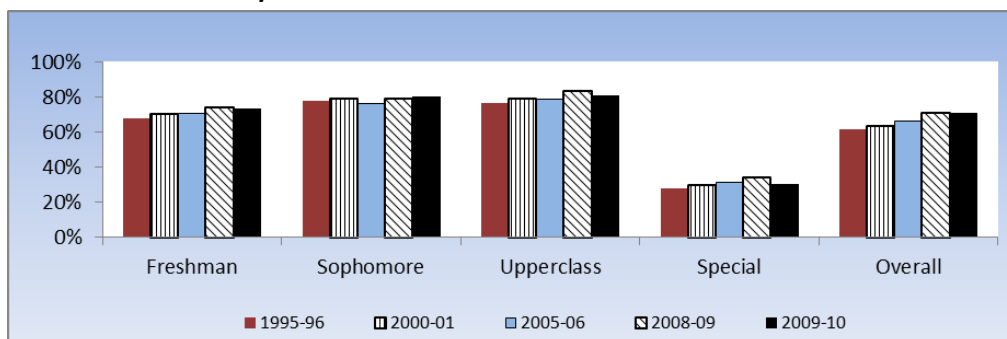


STUDENT OUTCOMES

Second Year Retention Rate

Students who entered the UWS as sophomores and upperclassmen had similar second year retention rates⁴, higher than those who entered as freshmen (Figure 10). Of the students who initially enrolled in the UWS in 2009-10 as sophomores or as upperclassmen, their second year retention rates were 80 percent and 81 percent, respectively, compared to 74 percent for freshmen. Special students were retained at lower rates, consistent with their differing academic goals. See Appendix F for details.

Figure 10
Second Year Retention for WTCS/UWS Assessment Cohorts
by Initial UWS Enrollment Year and Classification



Six-Year Graduation Rate

The six-year graduation rate for students in the assessment study who enrolled in the UWS between 1995-96 and 2005-06 was 33 percent. See Appendix H for details.

First Year GPA

The average first year GPA for students in the assessment study who enrolled in the UWS between 1995-96 and 2010-11 was between 2.7 and 2.9 on a 4.0 scale. See Appendix I for details.

LINKING WTCS PROGRAMS TO UWS MAJORS

As a first step toward studying program-to-program activity, WTCS programs and UWS majors were linked using a common classification system (based on CIP discipline areas)⁵. The student's last declared program at the WTCS institution and the student's first declared major at the UW institution were linked to their corresponding program/major groups. Table 3 shows the results of this program/major linking. Specifically, the table shows, for a given WTCS program group (leftmost column), the number of students in the overall cohort who enrolled at a UW institution and the types of majors that they entered (reading across the columns). It also shows, the number of students in the cohort who enrolled in a given UWS major group (reading down a column). Lastly, the intersections of WTCS program and UWS major groups show areas where students are enrolling in similar disciplines. For example, 665 students in the cohort had enrolled in Agriculture & Natural Resources programs at the WTCS, 1,311 students in the cohort enrolled in Agriculture & Natural Resources majors at the UWS, and 175 students were enrolled in an Agriculture & Natural Resources program while at the WTCS and enrolled in a major in the same area when they came to the UWS. The WTCS program group with the largest number of students was Health-Related Professions with 13,897 students (17% of the overall cohort). The Humanities/Liberal Arts group consists primarily of students enrolled in liberal arts programs at Chippewa Valley, Madison Area, Milwaukee Area, Nicolet Area, and Western Technical Colleges (96%).

At many UW institutions, students are not required to declare a major until they reach junior or senior standing. This may partially account for the large number of UWS students with no declared major. Areas of significant program/major intersection included Health Professions to Health Professions with 3,113 students and Business to Business with 2,325 students. These program/major intersections show areas where current WTCS/UWS articulation agreements exist as well as areas where new agreements could be developed.

Table 3
WTCS/UWS Assessment Cohort - Overall
by WTCS Program and UWS Major Groups

| WTCS Program Group | UWS Major Group | | | | | | | | | | | | | |
|------------------------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|----------------|--------------|--------------|---------------|---------------|
| | Ag (01) | Bio (02) | Bus (03) | Com (04) | Ed (05) | Engr (06) | Hlth (07) | H Ec (08) | Hum (09) | Math / CS (10) | Pub Adm (11) | Soc Sci (12) | Und (99) | Total |
| Ag & Natural Resources (01) | 175 | 27 | 38 | 11 | 50 | 12 | 10 | | 27 | 6 | 6 | 19 | 284 | 665 |
| Biological/Physical Sci (02) | 3 | 47 | 11 | 1 | 6 | 7 | 6 | | 9 | 3 | | 10 | 61 | 164 |
| Business (03) | 90 | 203 | 2,325 | 380 | 657 | 69 | 304 | 41 | 532 | 203 | 216 | 585 | 3,273 | 8,878 |
| Communications/Arts (04) | 9 | 20 | 106 | 468 | 102 | 20 | 46 | 6 | 57 | 19 | 26 | 84 | 563 | 1,526 |
| Education (05) | 3 | 5 | 15 | 22 | 491 | 2 | 26 | 16 | 56 | 3 | 34 | 43 | 485 | 1,201 |
| Engineering & Architect (06) | 38 | 52 | 352 | 63 | 133 | 419 | 40 | 3 | 62 | 114 | 14 | 73 | 1,285 | 2,648 |
| Health-Related Prof (07) | 68 | 956 | 451 | 226 | 616 | 41 | 3,113 | 61 | 388 | 67 | 445 | 592 | 6,873 | 13,897 |
| Home Econ/Personal Ser (08) | 7 | 9 | 116 | 32 | 93 | 4 | 30 | 11 | 25 | 5 | 12 | 27 | 395 | 766 |
| Humanities/Liberal Arts (09) | 285 | 506 | 1,120 | 862 | 1,099 | 380 | 689 | 131 | 669 | 263 | 422 | 1,146 | 2,836 | 10,408 |
| Math, Comp & Info Scis (10) | 12 | 51 | 319 | 107 | 84 | 36 | 56 | 4 | 149 | 463 | 39 | 102 | 1,011 | 2,433 |
| Public Admin/Legal Svcs (11) | 32 | 72 | 241 | 76 | 163 | 17 | 150 | 11 | 230 | 24 | 555 | 345 | 1,317 | 3,233 |
| Social Sciences (12) | | | 3 | | 2 | | | | 1 | 1 | 1 | 5 | 1 | 14 |
| Trades/Tech (13) | 40 | 42 | 232 | 50 | 152 | 106 | 26 | 2 | 33 | 39 | 25 | 62 | 813 | 1,622 |
| Undeclared (99) | 549 | 1,627 | 3,539 | 1,776 | 2,284 | 895 | 2,345 | 166 | 1,503 | 856 | 1,021 | 2,058 | 16,079 | 34,698 |
| Total | 1,311 | 3,617 | 8,868 | 4,074 | 5,932 | 2,008 | 6,841 | 452 | 3,741 | 2,066 | 2,816 | 5,151 | 35,276 | 82,153 |

PROGRAM-SPECIFIC ENROLLMENTS AND ASSESSMENT

The remaining sections of the report analyze groups of students in the overall cohort who were enrolled in specific programs at the WTCS and then entered specific majors or major groups at a UW institution⁶. These WTCS programs were selected for this year's report for a variety of reasons. The Nursing and Early Childhood Education programs were selected because of multi-campus transfer agreements for these programs. Criminal Justice appeared to be a potential area for future growth. The Information Technology (IT) and Marketing programs were selected because a large number of students in the cohort were enrolled in these programs. Similarly, Accounting, Engineering Technology, and Liberal Arts programs were added in the 2007 report due to a large number of students in the cohort enrolling in these programs. Students in the seven applied associate degree programs represented 56 percent of applied associate degree program students in the assessment cohort.

Nursing

The 2012 assessment study included 2,483 students who last enrolled in the WTCS Nursing applied associate degree program between 1994-95 and 2010-11 and subsequently enrolled at a UW institution (Table 4). Similar to the trend shown for the overall cohort (Table 1), a large portion of nursing students came to the UWS in the year following their WTCS enrollment. However, for some students, there was a considerable gap between their last WTCS year and initial UWS enrollment year. Of the 130 nursing students who last enrolled in the WTCS in 1995-96, 45 students (35%) enrolled in the UWS in 1996-97, 10 students (8%) were concurrently enrolled, and 75 students (58%) waited at least one year before their UWS enrollment. Refer to Appendix J for enrollment of students in WTCS Nursing applied associate degree programs by WTCS institution and UWS institution. Appendix K summarizes WTCS/UWS transfer agreements for WTCS Nursing applied associate degree programs.

Table 4
WTCS/UWS Assessment Cohorts
WTCS Nursing Applied Associate Degree Students by Last WTCS and Initial UWS Enrollment Years

| Last WTCS Year | UWS Cohort Year | | | | | | | | | | | | | | | | Total |
|----------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | 09-10 | 10-11 | |
| 94-95 | 26 | 15 | 13 | 10 | 3 | 8 | 8 | 2 | 3 | 2 | 1 | 5 | 2 | 3 | 1 | 1 | 103 |
| 95-96 | 10 | 45 | 14 | 4 | 5 | 16 | 10 | 4 | 6 | 4 | 3 | 3 | 1 | | 4 | 1 | 130 |
| 96-97 | | 30 | 43 | 9 | 13 | 11 | 8 | 8 | 7 | 5 | 4 | 3 | 9 | 2 | | 1 | 153 |
| 97-98 | | | 13 | 44 | 9 | 13 | 13 | 11 | 4 | 11 | 5 | 4 | 1 | 2 | 1 | 4 | 135 |
| 98-99 | | | | 18 | 41 | 22 | 12 | 10 | 3 | 4 | 6 | 3 | 6 | 7 | 1 | 1 | 134 |
| 99-00 | | | | | 21 | 40 | 19 | 8 | 9 | 6 | 8 | 16 | 4 | 4 | 3 | 3 | 141 |
| 00-01 | | | | | | 13 | 37 | 10 | 11 | 8 | 6 | 6 | 1 | 2 | 3 | 4 | 101 |
| 01-02 | | | | | | | 16 | 56 | 22 | 15 | 12 | 11 | 10 | 6 | 2 | 3 | 153 |
| 02-03 | | | | | | | | 51 | 72 | 18 | 10 | 13 | 9 | 5 | 7 | 2 | 187 |
| 03-04 | | | | | | | | | 29 | 63 | 15 | 17 | 18 | 10 | 4 | 7 | 163 |
| 04-05 | | | | | | | | | | 41 | 96 | 26 | 19 | 9 | 9 | 10 | 210 |
| 05-06 | | | | | | | | | | | 39 | 81 | 24 | 13 | 21 | 13 | 191 |
| 06-07 | | | | | | | | | | | | 49 | 61 | 31 | 8 | 19 | 168 |
| 07-08 | | | | | | | | | | | | | 44 | 70 | 24 | 21 | 159 |
| 08-09 | | | | | | | | | | | | | | 43 | 75 | 38 | 156 |
| 09-10 | | | | | | | | | | | | | | | 46 | 99 | 145 |
| 10-11 | | | | | | | | | | | | | | | | 54 | 54 |
| Total | 36 | 90 | 83 | 85 | 92 | 123 | 123 | 160 | 166 | 177 | 205 | 237 | 209 | 207 | 209 | 281 | 2,483 |

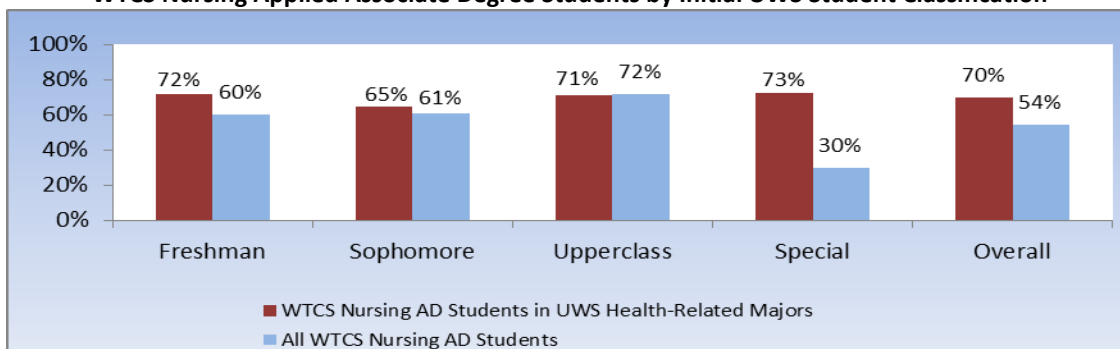
Table 5 shows the type of UWS majors chosen by WTCS nursing students. While the majority of WTCS nursing students in the cohort entered Health-Related Professions, they also pursued majors in Biological/Physical Science, Education, and Social Sciences areas. Some of the WTCS nursing students in the undeclared group may be seeking a UWS Nursing degree but have not yet been admitted to the UWS Nursing major.

Table 5
WTCS/UWS Assessment Cohorts
WTCS Nursing Applied Associate Degree Students by UWS Major Group

| UWS Major Group | # of Students | % of Total | % of Total with Declared Major |
|---------------------------------------|---------------|-------------|--------------------------------|
| Ag & Natural Resources (01) | 5 | 0% | 0% |
| Biological/Physical Sciences (02) | 65 | 3% | 5% |
| Business (03) | 39 | 2% | 3% |
| Communications/Arts (04) | 17 | 1% | 1% |
| Education (05) | 67 | 3% | 5% |
| Engineering & Architecture (06) | 2 | 0% | 0% |
| Health-Related Professions (07) | 931 | 37% | 74% |
| Home Economics/Personal Services (08) | 5 | 0% | 0% |
| Humanities/Liberal Arts (09) | 42 | 2% | 3% |
| Math, Computer & Info Sciences (10) | 4 | 0% | 0% |
| Public Admin/Legal Services (11) | 28 | 1% | 2% |
| Social Sciences (12) | 55 | 2% | 4% |
| Total with Declared Major | 1,260 | 51% | 100% |
| Undeclared | 1,223 | 49% | |
| Total | 2,483 | 100% | |

Within the overall assessment cohort, WTCS nursing students who declared a UWS major in Health-Related Professions had a second year retention rate of 70 percent, compared to 54 percent for WTCS nursing students as a group (Figure 11). See Appendix G for details.

Figure 11
Second Year Retention for WTCS/UWS Assessment Cohorts
WTCS Nursing Applied Associate Degree Students by Initial UWS Student Classification



Within the assessment cohorts who enrolled in the UWS from 1995-96 to 2005-06 as degree-seeking students, WTCS nursing students who declared a UWS major in Health-Related Professions had a six-year graduation rate of 34 percent, compared to 23 percent for WTCS nursing students as a group. See Appendix H for details.

The average first year GPA for WTCS nursing students ranged from 2.9 to 3.1. In general, WTCS nursing students had a slightly higher average first year GPA than students in the overall assessment study. See Appendix I for details.

The program assessment study also looked at WTCS originating programs for UWS Nursing majors. Of the students in the cohort with a Nursing major at the UWS, 34 percent were in WTCS Nursing Assistant programs and 22 percent were in WTCS Nursing applied associate degree programs (Table 6). However, students from Liberal Arts programs and other WTCS programs also pursued UWS Nursing majors. Twenty-eight percent (28%) of the UWS nursing students were not enrolled in a specific WTCS program.

Table 6
WTCS/UWS Assessment Cohorts - Overall
WTCS Source Programs for UWS Nursing Majors

| WTCS Program/Program Group | # of Students | % of Total | % of Total with Declared Major |
|----------------------------------|---------------|-------------|--------------------------------|
| Nursing Assistant | 1,344 | 34% | 47% |
| Nursing Applied Associate Degree | 876 | 22% | 31% |
| Liberal Arts | 198 | 5% | 7% |
| Other Health Programs | 183 | 5% | 6% |
| Other Programs | 253 | 6% | 9% |
| Total with Declared Major | 2,854 | 72% | 100% |
| Undeclared | 1,132 | 28% | |
| Total | 3,986 | 100% | |

Early Childhood Education

The 2012 program assessment study included 1,119 students who were enrolled in WTCS Early Childhood Education applied associate degree programs between 1994-95 and 2010-11 and subsequently enrolled at a UW institution (Table 7). Since 1994-95, the overall trend indicates an increase in the number of WTCS early childhood students continuing their education in the UWS. Similar to the trend shown for the overall cohort (Table 1), a large portion of the early childhood students (47%) came to the UWS in the year following their WTCS enrollment. Refer to Appendix L for enrollment of students in the WTCS Early Childhood Education applied associate degree programs by WTCS institution and UWS institution. Appendix M summarizes WTCS/UWS transfer agreements for WTCS Early Childhood Education programs.

Table 7
WTCS/UWS Assessment Cohorts
WTCS Early Childhood Education Students by Last WTCS and Initial UWS Enrollment Years

| Last WTCS Year | UWS Cohort Year | | | | | | | | | | | | | | | | Total |
|----------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | 09-10 | 10-11 | |
| 94-95 | 8 | 4 | 1 | 2 | 3 | | 1 | 1 | 2 | 1 | | | 2 | | | | 25 |
| 95-96 | 1 | 12 | 2 | 2 | 1 | 2 | 1 | | | 2 | 1 | | | 1 | 1 | | 26 |
| 96-97 | | 2 | 13 | 4 | 4 | 2 | | | 1 | 1 | 1 | 1 | | 2 | | | 31 |
| 97-98 | | | 4 | 18 | 3 | 3 | 4 | 2 | 2 | 1 | 1 | | 1 | 1 | 1 | 3 | 44 |
| 98-99 | | | | 9 | 20 | 6 | 5 | 2 | 3 | | 1 | 1 | 1 | | 2 | 1 | 51 |
| 99-00 | | | | | 12 | 22 | 5 | 6 | 3 | 2 | 1 | 3 | | | | 2 | 56 |
| 00-01 | | | | | | 6 | 25 | 4 | 1 | 3 | 2 | 1 | | 1 | 4 | 3 | 50 |
| 01-02 | | | | | | | 15 | 23 | 8 | 5 | 1 | 3 | 2 | 1 | 3 | 4 | 65 |
| 02-03 | | | | | | | | 8 | 35 | 9 | 5 | 3 | 3 | 11 | 2 | 4 | 80 |
| 03-04 | | | | | | | | | 12 | 37 | 8 | 8 | 9 | 5 | 1 | 2 | 82 |
| 04-05 | | | | | | | | | | 6 | 32 | 5 | 9 | 6 | 7 | 4 | 69 |
| 05-06 | | | | | | | | | | | 22 | 65 | 13 | 10 | 8 | 3 | 121 |
| 06-07 | | | | | | | | | | | | 16 | 53 | 15 | 14 | 9 | 107 |
| 07-08 | | | | | | | | | | | | | 23 | 51 | 17 | 11 | 102 |
| 08-09 | | | | | | | | | | | | | | 17 | 46 | 12 | 75 |
| 09-10 | | | | | | | | | | | | | | | 26 | 69 | 95 |
| 10-11 | | | | | | | | | | | | | | | | 40 | 40 |
| Total | 9 | 18 | 20 | 35 | 43 | 41 | 56 | 46 | 67 | 67 | 75 | 106 | 116 | 121 | 132 | 167 | 1,119 |

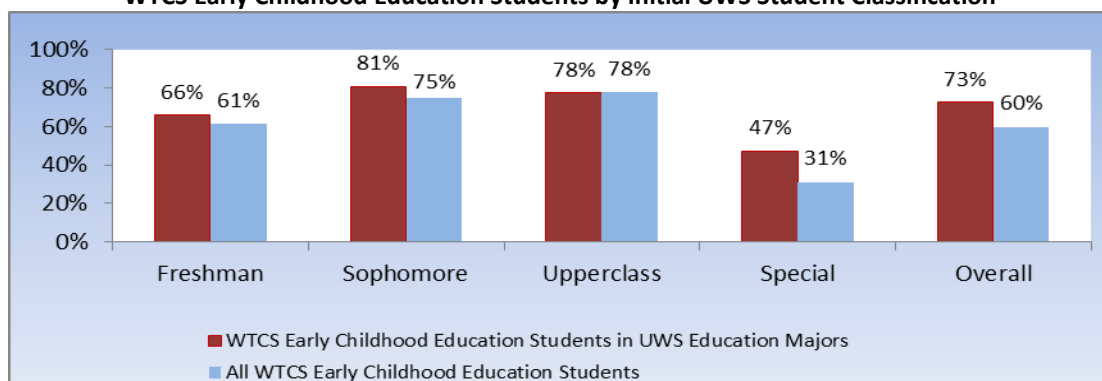
Table 8 shows the type of UWS majors chosen by WTCS early childhood education students. Students in this group predominately entered a UWS major in the Education area. Some of the WTCS early childhood students in the undeclared group may be seeking a UWS Education degree but have not yet been admitted to the UWS Education major.

Table 8
WTCS/UWS Assessment Cohorts
WTCS Early Childhood Education Students by UWS Major Group

| UWS Major Group | # of Students | % of Total | % of Total with Declared Major |
|---------------------------------------|----------------------|-------------------|---------------------------------------|
| Ag & Natural Resources (01) | 3 | 0% | 0% |
| Biological/Physical Sciences (02) | 4 | 0% | 1% |
| Business (03) | 15 | 1% | 2% |
| Communications/Arts (04) | 21 | 2% | 3% |
| Education (05) | 471 | 42% | 69% |
| Engineering & Architecture (06) | 2 | 0% | 0% |
| Health-Related Professions (07) | 24 | 2% | 4% |
| Home Economics/Personal Services (08) | 16 | 1% | 2% |
| Humanities/Liberal Arts (09) | 47 | 4% | 7% |
| Math, Computer & Info Sciences (10) | 2 | 0% | 0% |
| Public Admin/Legal Services (11) | 33 | 3% | 5% |
| Social Sciences (12) | 40 | 4% | 6% |
| Total with Declared Major | 678 | 61% | 100% |
| Undeclared | 441 | 39% | |
| Total | 1,119 | 100% | |

WTCS early childhood education students who declared a UWS major in the Education area had an overall second year retention rate of 73 percent (Figure 12). This compares to 60 percent for all WTCS early childhood students in the assessment study. See Appendix G for details.

Figure 12
Second Year Retention for WTCS/UWS Assessment Cohorts
WTCS Early Childhood Education Students by Initial UWS Student Classification



Within the assessment cohorts who enrolled in the UWS from 1995-96 to 2005-06 as degree-seeking students, WTCS early childhood students who declared a UWS major in the Education area had a six-year graduation rate of 40 percent, compared to 27 percent for WTCS early childhood students as a group. See Appendix H for details.

The average first year GPA for WTCS early childhood education students varied from 2.6 to 3.1. Some of the year-to-year variability in the average GPAs may be due to the small early childhood cohort size. See Appendix I for details.

Students in the cohort entered UWS Early Childhood/Elementary Education majors from a variety of WTCS programs (Table 9). Fourteen percent (14%) were in the WTCS Early Childhood Education programs and 14 percent were in WTCS Liberal Arts programs. Students in WTCS Business, Nursing Assistant, and other Health programs composed 22 percent of UWS students in Early Childhood/Elementary Education majors in the assessment cohort, while those who were not enrolled in a specific WTCS program made up 39 percent.

Table 9
WTCS/UWS Assessment Cohorts
WTCS Source Programs for UWS Early Childhood/Elementary Education Majors

| WTCS Program/Program Group | # of Students | % of Total | % of Total with Declared Major |
|----------------------------------|---------------|-------------|--------------------------------|
| Early Childhood Ed | 362 | 14% | 23% |
| Liberal Arts | 350 | 14% | 22% |
| Business Programs | 264 | 10% | 17% |
| Nursing Assistant | 156 | 6% | 10% |
| Other Health Programs | 162 | 6% | 10% |
| Other Programs | 278 | 11% | 18% |
| Total with Declared Major | 1,572 | 61% | 100% |
| Undeclared | 993 | 39% | |
| Total | 2,565 | 100% | |

Information Technology (IT)

The 2012 program assessment cohort included 2,526 students who were enrolled in WTCS Information Technology (IT) applied associate degree programs between 1994-95 and 2010-11 and subsequently enrolled at a UW institution (Table 10). Since 1994-95, the overall trend indicates an increase in the number of WTCS IT students continuing their education in the UWS. Students in the IT group showed similar patterns as students in other program groups and in the overall cohort as the largest group of students (43%) enrolled in the UWS in the year following their WTCS enrollment. Refer to Appendix N for enrollment of students in WTCS Information Technology (IT) applied associate degree programs by WTCS institution and UWS institution. Appendix O summarizes WTCS/UWS transfer agreements for WTCS IT programs.

Table 10
WTCS/UWS Assessment Cohorts
WTCS Information Technology (IT) Students by Last WTCS and Initial UWS Enrollment Years

| Last WTCS Year | UWS Cohort Year | | | | | | | | | | | | | | | | Total |
|----------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | 09-10 | 10-11 | |
| 94-95 | 24 | 8 | 10 | 4 | 4 | 3 | 4 | 1 | 2 | 2 | 2 | | 2 | 2 | 2 | 1 | 69 |
| 95-96 | 11 | 38 | 12 | 6 | 7 | 6 | 4 | 4 | 4 | 2 | | 2 | 2 | 3 | 3 | 1 | 105 |
| 96-97 | | 7 | 43 | 13 | 11 | 5 | 9 | 3 | 3 | 2 | 2 | 3 | 1 | 2 | 6 | 1 | 111 |
| 97-98 | | | 15 | 54 | 12 | 9 | 11 | 11 | 4 | 9 | 4 | 3 | 6 | 1 | 3 | 2 | 144 |
| 98-99 | | | | 25 | 53 | 21 | 10 | 6 | 12 | 7 | 2 | 3 | 2 | 4 | 6 | 6 | 157 |
| 99-00 | | | | | 22 | 65 | 25 | 20 | 16 | 8 | 5 | 7 | 4 | 9 | 5 | 6 | 192 |
| 00-01 | | | | | | 37 | 90 | 28 | 15 | 16 | 10 | 10 | 11 | 6 | 2 | 5 | 230 |
| 01-02 | | | | | | | 39 | 93 | 27 | 21 | 6 | 4 | 4 | 7 | 5 | 7 | 213 |
| 02-03 | | | | | | | | 47 | 88 | 23 | 14 | 9 | 10 | 10 | 12 | 11 | 224 |
| 03-04 | | | | | | | | | 28 | 81 | 25 | 17 | 23 | 6 | 7 | 10 | 197 |
| 04-05 | | | | | | | | | | 25 | 76 | 18 | 19 | 18 | 9 | 10 | 175 |
| 05-06 | | | | | | | | | | | 18 | 57 | 21 | 14 | 18 | 10 | 138 |
| 06-07 | | | | | | | | | | | | 35 | 57 | 19 | 16 | 10 | 137 |
| 07-08 | | | | | | | | | | | | | 22 | 80 | 16 | 18 | 136 |
| 08-09 | | | | | | | | | | | | | | 29 | 79 | 18 | 126 |
| 09-10 | | | | | | | | | | | | | | | 36 | 98 | 134 |
| 10-11 | | | | | | | | | | | | | | | | 38 | 38 |
| Total | 35 | 53 | 80 | 102 | 109 | 146 | 192 | 213 | 199 | 196 | 164 | 168 | 182 | 210 | 225 | 252 | 2,526 |

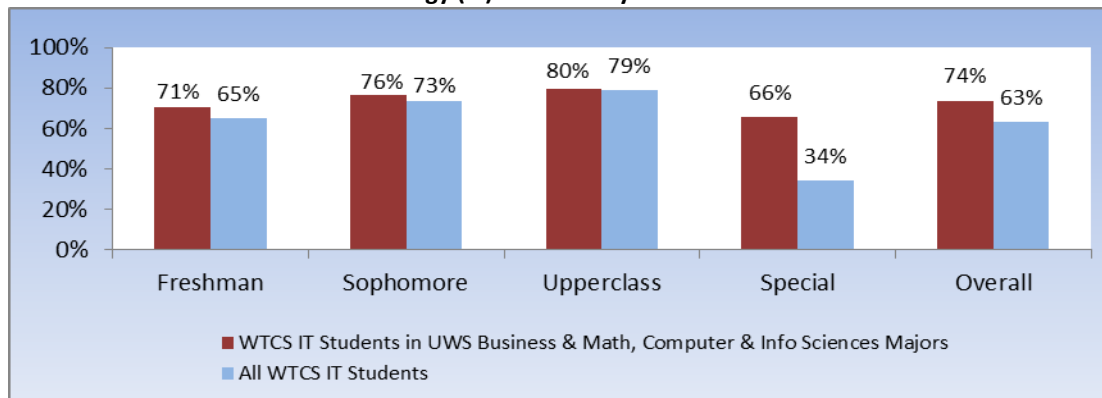
Of the information technology students, 34 percent pursued UWS majors in either the Math, Computer & Information Sciences area or the Business area (Table 11). This illustrates the two different directions that IT students can pursue at a UW institution – either entering majors with a computer/information science focus or majors with a business focus such as Management Information Systems. However, some IT students changed direction and enrolled in majors in Humanities/Liberal Arts, Social Sciences, and Communications/Arts areas.

Table 11
WTCS/UWS Assessment Cohorts
WTCS Information Technology (IT) Students by UWS Major Group

| UWS Major Group | # of Students | % of Total | % of Total with Declared Major |
|---------------------------------------|----------------------|-------------------|---------------------------------------|
| Ag & Nat Resources (01) | 13 | 1% | 1% |
| Biological/Physical Sciences (02) | 60 | 2% | 4% |
| Business (03) | 324 | 13% | 21% |
| Communications/Arts (04) | 94 | 4% | 6% |
| Education (05) | 80 | 3% | 5% |
| Engineering & Architecture (06) | 41 | 2% | 3% |
| Health-Related Professions (07) | 59 | 2% | 4% |
| Home Economics/Personal Services (08) | 5 | 0% | 0% |
| Humanities/Liberal Arts (09) | 154 | 6% | 10% |
| Math, Computer & Info Sciences (10) | 538 | 21% | 36% |
| Public Admin/Legal Services (11) | 37 | 1% | 2% |
| Social Sciences (12) | 108 | 4% | 7% |
| Total with Declared Major | 1,513 | 60% | 100% |
| Undeclared | 1,013 | 40% | |
| Total | 2,526 | 100% | |

WTCS IT students who declared a UWS major in the Math, Computer & Information Sciences or Business area had an overall second year retention rate of 74 percent (Figure 13). This compares to 63 percent for all WTCS IT students in the assessment study. See Appendix G for details.

Figure 13
Second Year Retention for WTCS/UWS Assessment Cohorts
WTCS Information Technology (IT) Students by Initial UWS Student Classification



Within the assessment cohorts who enrolled in the UWS from 1995-96 to 2005-06 as degree-seeking students, WTCS IT students who declared a UWS major in the Math, Computer & Information Sciences or Business area had a six-year graduation rate of 41 percent, compared to 25 percent for WTCS IT students as a group. See Appendix H for details.

The average first year GPA for WTCS IT students varied from 2.4 to 2.9. In general, WTCS IT students had comparable average first year GPAs as students in the overall assessment group. See Appendix I for details.

Students in a variety of WTCS programs later declared a UWS Computer Science/Information Systems major (Table 12). Within the cohort, the largest source was WTCS Information Technology programs (26%), followed by WTCS Liberal Arts programs (12%). Students in WTCS Business, Engineering Technology, and Health programs also pursued UWS Computer Science/Information Systems majors.

Table 12
WTCS/UWS Assessment Cohorts
WTCS Source Programs for UWS Computer Science/Information Systems Majors

| WTCS Program/Program Group | # of Students | % of Total | % of Total with Declared Major |
|----------------------------------|---------------|-------------|--------------------------------|
| Information Technology | 430 | 26% | 44% |
| Liberal Arts | 193 | 12% | 20% |
| Business Programs | 112 | 7% | 11% |
| Engineering Technology | 85 | 5% | 9% |
| Health Programs | 50 | 3% | 5% |
| Other Programs | 116 | 7% | 12% |
| Total with Declared Major | 986 | 59% | 100% |
| Undeclared | 680 | 41% | |
| Total | 1,666 | 100% | |

Marketing

The 2012 program assessment cohort included 2,271 students who were enrolled in WTCS Marketing applied associate degree programs between 1994-95 and 2010-11 and subsequently enrolled at a UW institution (Table 13). Students in the marketing group showed similar patterns as students in other program groups and in the overall cohort with the majority of students (47%) enrolling in the UWS in the year following their WTCS enrollment. Refer to Appendix P for enrollment of students in WTCS Marketing applied associate degree programs by WTCS institution and UW institution. Appendix Q summarizes WTCS/UWS transfer agreements for WTCS Marketing programs.

Table 13
WTCS/UWS Assessment Cohorts
WTCS Marketing Students by Last WTCS and Initial UWS Enrollment Years

| Last WTCS Year | UWS Cohort Year | | | | | | | | | | | | | | | | Total |
|----------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | 09-10 | 10-11 | |
| 94-95 | 41 | 17 | 6 | 5 | 5 | 4 | 1 | | | 1 | | | 2 | | | 1 | 83 |
| 95-96 | 12 | 53 | 13 | 7 | 14 | 4 | 2 | 1 | 2 | 2 | 1 | | 1 | 2 | 2 | 1 | 117 |
| 96-97 | | 26 | 43 | 19 | 11 | 5 | 7 | 3 | 4 | | 1 | 2 | 1 | 3 | | | 125 |
| 97-98 | | | 18 | 46 | 13 | 9 | 7 | 4 | 3 | 2 | 2 | | | 1 | 1 | | 106 |
| 98-99 | | | | 32 | 57 | 13 | 10 | 3 | 2 | 3 | 1 | 1 | 1 | | 5 | 3 | 131 |
| 99-00 | | | | | 24 | 53 | 19 | 5 | 8 | 6 | 2 | 2 | 1 | 1 | 1 | | 122 |
| 00-01 | | | | | | 30 | 79 | 11 | 7 | 6 | 6 | 3 | 6 | 4 | 4 | 1 | 157 |
| 01-02 | | | | | | | 46 | 66 | 22 | 11 | 7 | 8 | 3 | 10 | 2 | 2 | 177 |
| 02-03 | | | | | | | | 38 | 60 | 16 | 9 | 14 | 4 | 2 | 2 | 3 | 148 |
| 03-04 | | | | | | | | | 46 | 85 | 12 | 9 | 11 | 5 | 4 | 9 | 181 |
| 04-05 | | | | | | | | | | 41 | 89 | 20 | 11 | 7 | 7 | 10 | 185 |
| 05-06 | | | | | | | | | | | 49 | 93 | 17 | 16 | 7 | 4 | 186 |
| 06-07 | | | | | | | | | | | | 60 | 71 | 12 | 9 | 10 | 162 |
| 07-08 | | | | | | | | | | | | | 37 | 70 | 20 | 13 | 140 |
| 08-09 | | | | | | | | | | | | | | 28 | 81 | 13 | 122 |
| 09-10 | | | | | | | | | | | | | | | 30 | 72 | 102 |
| 10-11 | | | | | | | | | | | | | | | | 27 | 27 |
| Total | 53 | 96 | 80 | 109 | 124 | 118 | 171 | 131 | 154 | 173 | 179 | 212 | 166 | 161 | 175 | 169 | 2,271 |

WTCS marketing students in the cohort pursued two principal types of majors at the UWS (Table 14). A large group of students enrolled in Business majors (28%) while a significant group of students entered UWS Education majors (10%). Of the 216 students in UWS Education majors, 40% were in the Business/Marketing Education majors.

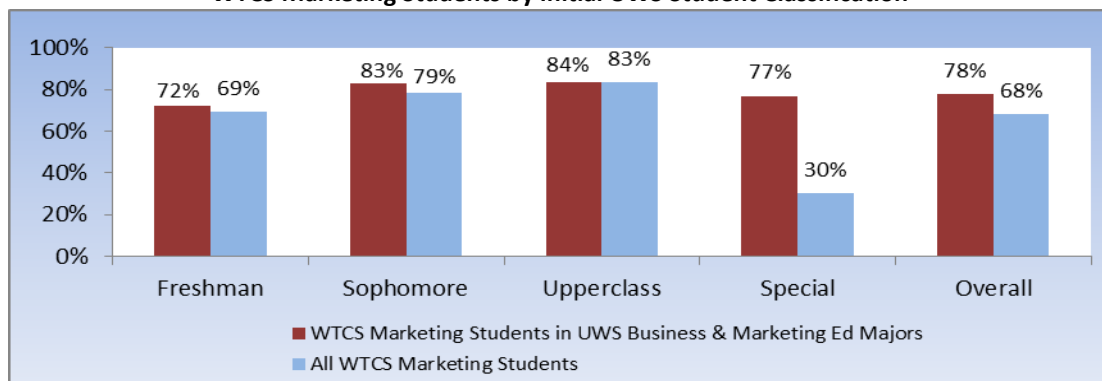
UW-Stout offers a major in Marketing Education and has Marketing-to-Marketing Education transfer agreements with four WTCS institutions. Of the 2,271 WTCS marketing students in the cohort, 425 enrolled at UW-Stout (19%) as shown in Appendix P.

Table 14
WTCS/UWS Assessment Cohorts
WTCS Marketing Students by UWS Major Group

| UWS Major Group | # of Students | % of Total | % of Total with Declared Major |
|---------------------------------------|----------------------|-------------------|---------------------------------------|
| Ag & Nat Resources (01) | 18 | 1% | 1% |
| Biological/Physical Sciences (02) | 47 | 2% | 3% |
| Business (03) | 635 | 28% | 42% |
| Communications/Arts (04) | 132 | 6% | 9% |
| Education (05) | 216 | 10% | 14% |
| Engineering & Architecture (06) | 12 | 1% | 1% |
| Health-Related Professions (07) | 82 | 4% | 5% |
| Home Economics/Personal Services (08) | 10 | 0% | 1% |
| Humanities/Liberal Arts (09) | 137 | 6% | 9% |
| Math, Computer & Info Sciences (10) | 19 | 1% | 1% |
| Public Admin/Legal Services (11) | 55 | 2% | 4% |
| Social Sciences (12) | 155 | 7% | 10% |
| Total with Declared Major | 1,518 | 67% | 100% |
| Undeclared | 753 | 33% | |
| Total | 2,271 | 100% | |

WTCS marketing students who declared a UWS major in the Business or Marketing Education areas had an overall second year retention rate of 78 percent (Figure 14). This compares to 68 percent for all WTCS marketing students in the assessment study. See Appendix G for details.

Figure 14
Second Year Retention for WTCS/UWS Assessment Cohorts
WTCS Marketing Students by Initial UWS Student Classification



Within the assessment cohorts who enrolled in the UWS from 1995-96 to 2005-06 as degree-seeking students, WTCS Marketing students who declared a UWS major in the Business or Marketing Education areas had a six-year graduation rate of 49 percent, compared to 33 percent for WTCS marketing students as a group. See Appendix H for details.

The average first year GPA for WTCS marketing students ranged between 2.5 and 2.8. In general, WTCS marketing students had a slightly lower average first year GPA than students in the overall assessment group. See Appendix I for details.

Students in a variety of WTCS programs later declared a UWS Business Administration, Management, or Marketing major (Table 15). Within the cohort, WTCS Liberal Arts programs were the largest single source (12%). WTCS marketing students comprised 11 percent of the UWS Business Administration, Management, and Marketing majors in the study.

Table 15
WTCS/UWS Assessment Cohorts
WTCS Source Programs for UWS Business Administration/Management/Marketing Majors

| WTCS Program/Program Group | # of Students | % of Total | % of Total with Declared Major |
|--------------------------------------|---------------|-------------|--------------------------------|
| Liberal Arts | 568 | 12% | 26% |
| Marketing | 524 | 11% | 24% |
| Accounting | 253 | 5% | 11% |
| Other Business Programs | 537 | 11% | 24% |
| Health Programs | 261 | 5% | 12% |
| Information Technology | 139 | 3% | 6% |
| Public Admin/Legal Services Programs | 138 | 3% | 6% |
| Other Programs | 366 | 8% | 17% |
| Total with Declared Major | 2,218 | 47% | 100% |
| Undeclared | 1,981 | 42% | |
| Total | 4,767 | 100% | |

Criminal Justice

WTCS Criminal Justice applied associate degree programs were included in the program assessment study as a potential area for System-to-System articulation. The 2012 assessment cohort included 1,967 students who were enrolled in WTCS Criminal Justice programs between 1994-95 and 2010-11 and subsequently enrolled at a UW institution (Table 16). Refer to Appendix R for enrollment of students in WTCS Criminal Justice applied associate degree programs by WTCS institution and UWS institution. Appendix S summarizes WTCS/UWS transfer agreements for WTCS Criminal Justice programs.

Table 16
WTCS/UWS Assessment Cohorts
WTCS Criminal Justice Students by Last WTCS and Initial UWS Enrollment Years

| Last WTCS Year | UWS Cohort Year | | | | | | | | | | | | | | | | Total |
|----------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | 09-10 | 10-11 | |
| 94-95 | 41 | 15 | 12 | 4 | 8 | 2 | 3 | 1 | 4 | 1 | 2 | | 4 | 2 | | 3 | 102 |
| 95-96 | 13 | 41 | 20 | 5 | 3 | 4 | 5 | 2 | 3 | 1 | 1 | 1 | | 1 | 3 | 1 | 104 |
| 96-97 | | 13 | 46 | 14 | 7 | 8 | 3 | 6 | 3 | 3 | 2 | 1 | 1 | | 1 | 2 | 110 |
| 97-98 | | | 11 | 43 | 15 | 11 | 6 | 4 | 6 | | 1 | 1 | 1 | 5 | 2 | 3 | 109 |
| 98-99 | | | | 16 | 56 | 12 | 8 | 7 | 1 | 4 | 5 | 3 | 2 | 4 | 5 | 2 | 125 |
| 99-00 | | | | | 15 | 36 | 10 | 6 | 5 | 4 | 3 | 2 | 1 | 3 | 2 | 2 | 89 |
| 00-01 | | | | | | 20 | 58 | 8 | 7 | 4 | 3 | 4 | 4 | 1 | 2 | 1 | 112 |
| 01-02 | | | | | | | 16 | 50 | 15 | 8 | 6 | 8 | 6 | 4 | 2 | 1 | 116 |
| 02-03 | | | | | | | | 32 | 57 | 13 | 8 | 4 | 4 | 9 | 6 | 6 | 139 |
| 03-04 | | | | | | | | | 24 | 55 | 13 | 6 | 6 | 6 | 4 | 7 | 121 |
| 04-05 | | | | | | | | | | 21 | 70 | 15 | 17 | 7 | 12 | 6 | 148 |
| 05-06 | | | | | | | | | | | 28 | 43 | 28 | 13 | 8 | 8 | 128 |
| 06-07 | | | | | | | | | | | | 19 | 70 | 13 | 16 | 11 | 129 |
| 07-08 | | | | | | | | | | | | | 23 | 52 | 31 | 16 | 122 |
| 08-09 | | | | | | | | | | | | | | 28 | 81 | 28 | 137 |
| 09-10 | | | | | | | | | | | | | | | 37 | 91 | 128 |
| 10-11 | | | | | | | | | | | | | | | | 48 | 48 |
| Total | 54 | 69 | 89 | 82 | 104 | 93 | 109 | 116 | 125 | 114 | 142 | 107 | 167 | 148 | 212 | 236 | 1,967 |

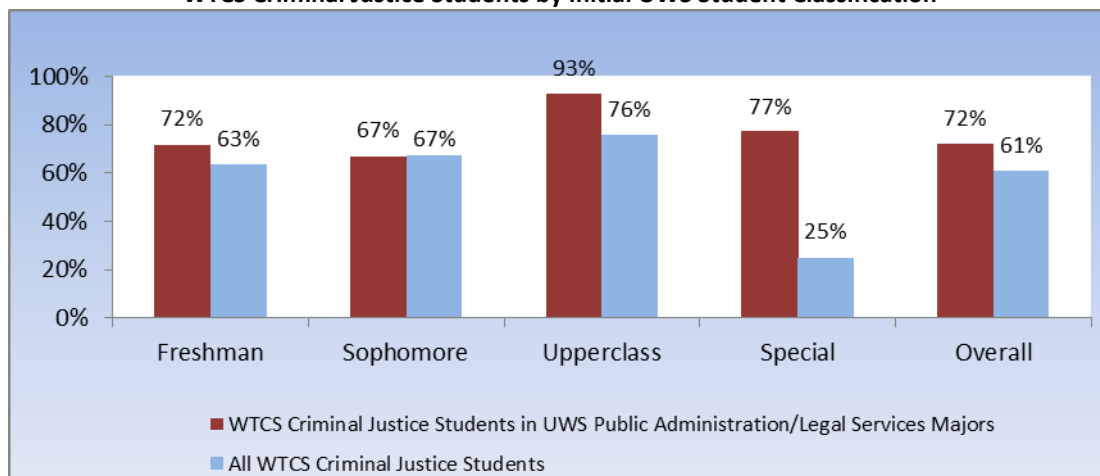
WTCS Criminal Justice students in the cohort pursued two principal types of majors at the UWS (Table 17). One group of students (36% of the students with declared majors) enrolled in majors in the Public Administration/Legal Services area. These students typically majored in Criminal Justice at the UW institution. A second group of criminal justice students (19% of the students with declared majors) enrolled in UWS majors in the Social Sciences area. In addition, criminal justice students enrolled in a variety of UWS major groups, including Business, Humanities/Liberal Arts, and Health-Related Professions.

Table 17
WTCS/UWS Assessment Cohorts
WTCS Criminal Justice Students by UWS Major Group

| UWS Major Group | # of Students | % of Total | % of Total with Declared Major |
|---------------------------------------|---------------|-------------|--------------------------------|
| Ag & Nat Resources (01) | 23 | 1% | 2% |
| Biological/Physical Sciences (02) | 41 | 2% | 3% |
| Business (03) | 129 | 7% | 11% |
| Communications/Arts (04) | 49 | 2% | 4% |
| Education (05) | 80 | 4% | 7% |
| Engineering & Architecture (06) | 9 | 0% | 1% |
| Health-Related Professions (07) | 93 | 5% | 8% |
| Home Economics/Personal Services (08) | 6 | 0% | 0% |
| Humanities/Liberal Arts (09) | 105 | 5% | 9% |
| Math, Computer & Info Sciences (10) | 14 | 1% | 1% |
| Public Admin/Legal Services (11) | 432 | 22% | 36% |
| Social Sciences (12) | 233 | 12% | 19% |
| Total with Declared Major | 1,214 | 62% | 100% |
| Undeclared | 753 | 38% | |
| Total | 1,967 | 100% | |

WTCS criminal justice students who declared a UWS major in the Public Administration/Legal Services area had an overall second year retention rate of 72 percent (Figure 15). This compares to 61 percent for all WTCS criminal justice students in the assessment study. See Appendix G for details.

Figure 15
Second Year Retention for WTCS/UWS Assessment Cohorts
WTCS Criminal Justice Students by Initial UWS Student Classification



Within the assessment cohorts who enrolled in the UWS from 1995-96 to 2005-06 as degree-seeking students, WTCS criminal justice students who declared a UWS major in the Public Administration/Legal Services area had a six-year graduation rate of 42 percent, compared to 25 percent for WTCS criminal justice students as a group. See Appendix H for details.

The average first year GPA for WTCS criminal justice students varied from 2.4 to 2.7. In general, WTCS criminal justice students had a lower average first year GPA than students in the overall assessment group. See Appendix I for details.

A distinct path is shown from WTCS Criminal Justice programs to UWS Criminal Justice majors with 27 percent of the students in the UWS Criminal Justice majors in the assessment cohort coming from WTCS Criminal Justice programs (Table 18). Liberal Arts students were also a source of UWS Criminal Justice majors. Two WTCS program groups, Health and Business, contributed 13 percent to the UWS criminal justice students in the assessment cohort.

Table 18
WTCS/UWS Assessment Cohorts
WTCS Source Programs for UWS Criminal Justice Majors

| WTCS Program/Program Group | # of Students | % of Total | % of Total with Declared Major |
|--|---------------|-------------|--------------------------------|
| Police Science/Criminal Justice | 356 | 27% | 47% |
| Liberal Arts | 115 | 9% | 15% |
| Health Programs | 91 | 7% | 12% |
| Business Programs | 79 | 6% | 10% |
| Other Public Admin/Legal Services Programs | 41 | 3% | 5% |
| Other Programs | 72 | 6% | 10% |
| Total with Declared Major | 754 | 58% | 100% |
| Undeclared | 545 | 42% | |
| Total | 1,299 | 100% | |

Accounting

The 2012 assessment cohort included 1,617 students who were enrolled in WTCS Accounting applied associate degree programs between 1994-95 and 2010-11 and subsequently enrolled at a UW institution (Table 19). Refer to Appendix T for enrollment of students in WTCS Accounting programs by WTCS institution and UWS institution. Appendix U summarizes WTCS/UWS transfer agreements for WTCS Accounting programs.

Table 19
WTCS/UWS Assessment Cohorts
WTCS Accounting Students by Last WTCS and Initial UWS Enrollment Years

| Last WTCS Year | UWS Cohort Year | | | | | | | | | | | | | | | | Total |
|----------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|------------|-----------|------------|------------|------------|------------|--------------|
| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | 09-10 | 10-11 | |
| 94-95 | 31 | 15 | 11 | 10 | 6 | 4 | 2 | 5 | 2 | 2 | | 1 | 1 | | 4 | 2 | 96 |
| 95-96 | 15 | 52 | 12 | 9 | 6 | 8 | 5 | 2 | 2 | 3 | 1 | | 3 | 1 | 5 | | 124 |
| 96-97 | | 14 | 37 | 12 | 7 | 12 | 2 | 4 | 3 | 4 | | 3 | 1 | | 2 | 1 | 102 |
| 97-98 | | | 10 | 35 | 15 | 4 | | 4 | 1 | 2 | | 2 | 2 | | 4 | 2 | 81 |
| 98-99 | | | | 10 | 24 | 8 | 9 | 11 | 2 | 3 | 3 | 1 | 3 | 1 | 3 | 2 | 80 |
| 99-00 | | | | | 17 | 32 | 19 | 3 | 4 | 3 | 7 | 4 | 3 | 3 | 3 | | 98 |
| 00-01 | | | | | | 17 | 36 | 9 | 6 | 8 | 7 | | 6 | 3 | 1 | 2 | 95 |
| 01-02 | | | | | | | 22 | 40 | 5 | 5 | 1 | 8 | 4 | 5 | 3 | 3 | 96 |
| 02-03 | | | | | | | | 25 | 43 | 21 | 8 | 1 | 4 | | 2 | 3 | 107 |
| 03-04 | | | | | | | | | 22 | 47 | 9 | 8 | 9 | 6 | 3 | 2 | 106 |
| 04-05 | | | | | | | | | | 27 | 54 | 16 | 12 | 8 | 6 | 2 | 125 |
| 05-06 | | | | | | | | | | | 21 | 41 | 5 | 11 | 8 | 7 | 93 |
| 06-07 | | | | | | | | | | | | 12 | 55 | 12 | 11 | 8 | 98 |
| 07-08 | | | | | | | | | | | | | 27 | 68 | 19 | 7 | 121 |
| 08-09 | | | | | | | | | | | | | | 14 | 50 | 8 | 72 |
| 09-10 | | | | | | | | | | | | | | | 22 | 70 | 92 |
| 10-11 | | | | | | | | | | | | | | | | 31 | 31 |
| Total | 46 | 81 | 70 | 76 | 75 | 85 | 95 | 103 | 90 | 125 | 111 | 97 | 135 | 132 | 146 | 150 | 1,617 |

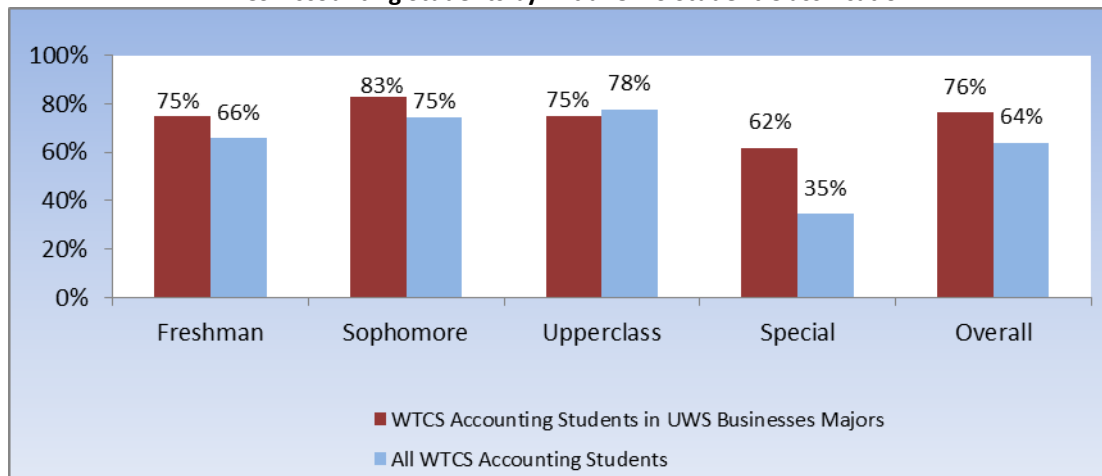
The majority of WTCS Accounting applied associate degree students in the cohort enrolled in the UWS Business area (60% of the students with declared majors). These students typically majored in Accounting at the UWS.

Table 20
WTCS/UWS Assessment Cohorts
WTCS Accounting Students by UWS Major Group

| UWS Major Group | # of Students | % of Total | % of Total with Declared Major |
|---------------------------------------|----------------------|-------------------|---------------------------------------|
| Ag & Nat Resources (01) | 11 | 1% | 1% |
| Biological/Physical Sciences (02) | 25 | 2% | 3% |
| Business (03) | 585 | 36% | 60% |
| Communications/Arts (04) | 30 | 2% | 3% |
| Education (05) | 82 | 5% | 8% |
| Engineering & Architecture (06) | 5 | 0% | 1% |
| Health-Related Professions (07) | 42 | 3% | 4% |
| Home Economics/Personal Services (08) | 3 | 0% | 0% |
| Humanities/Liberal Arts (09) | 81 | 5% | 8% |
| Math, Computer & Info Sciences (10) | 26 | 2% | 3% |
| Public Admin/Legal Services (11) | 34 | 2% | 3% |
| Social Sciences (12) | 59 | 4% | 6% |
| Total with Declared Major | 983 | 61% | 100% |
| Undeclared | 634 | 39% | |
| Total | 1,617 | 100% | |

WTCS accounting students who declared a UWS major in the Business area had an overall second year retention rate of 76 percent (Figure 16). This compares to 64 percent for all WTCS accounting students in the assessment study. See Appendix G for details.

Figure 16
Second Year Retention for WTCS/UWS Assessment Cohorts
WTCS Accounting Students by Initial UWS Student Classification



Within the assessment cohorts who enrolled in the UWS from 1995-96 to 2005-06 as degree-seeking students, WTCS accounting students who declared a UWS major in the Business area had a six-year graduation rate of 39 percent, compared to 27 percent for WTCS accounting students as a group. See Appendix H for details.

The average first year GPA for WTCS accounting students varied from 2.5 to 3.0. See Appendix I for details.

Students in a variety of WTCS programs later declared a UWS major in the Business area (Table 21). Within the cohort, WTCS Liberal Arts programs were the largest single source (12%). Students in WTCS Business programs, including Marketing, Accounting, and other Business programs, made up 26 percent of the students in UWS Business majors in this study (Table 21).

Table 21
WTCS/UWS Assessment Cohorts
WTCS Source Programs for UWS Business Majors

| WTCS Program/Program Group | # of Students | % of Total | % of Total with Declared Major |
|--------------------------------------|----------------------|-------------------|---------------------------------------|
| Liberal Arts | 1,023 | 12% | 19% |
| Marketing | 635 | 7% | 12% |
| Accounting | 585 | 7% | 11% |
| Other Business Programs | 1,105 | 12% | 21% |
| Health Programs | 451 | 5% | 8% |
| Engineering Technology | 352 | 4% | 7% |
| Information Technology | 319 | 4% | 6% |
| Public Admin/Legal Services Programs | 241 | 3% | 5% |
| Other Programs | 618 | 7% | 12% |
| Total with Declared Major | 5,329 | 60% | 100% |
| Undeclared | 3,539 | 40% | |
| Total | 8,868 | 100% | |

Table 22 shows WTCS source programs for students who declared a UWS Accounting major after they came to the UWS. Twenty-six percent (26%) of UWS accounting students in the cohort were enrolled in WTCS Accounting programs.

Table 22
WTCS/UWS Assessment Cohorts
WTCS Source Programs for UWS Accounting Majors

| WTCS Program/Program Group | # of Students | % of Total | % of Total with Declared Major |
|-----------------------------------|----------------------|-------------------|---------------------------------------|
| Accounting | 230 | 26% | 44% |
| Liberal Arts | 111 | 12% | 21% |
| Other Business Programs | 62 | 7% | 12% |
| Other Programs | 69 | 8% | 13% |
| Health | 52 | 6% | 10% |
| Total with Declared Major | 524 | 59% | 100% |
| Undeclared | 367 | 41% | |
| Total | 891 | 100% | |

Engineering Technology

The 2012 assessment cohort included 2,596 students who were enrolled in WTCS Engineering Technology applied associate degree programs between 1994-95 and 2010-11 and subsequently enrolled at a UW institution (Table 23). Refer to Appendix V for enrollment of students in WTCS Engineering Technology programs by WTCS institution and UWS institution. Appendix W summarizes WTCS/UWS transfer agreements for WTCS Engineering Technology programs.

Table 23
WTCS/UWS Assessment Cohorts
WTCS Engineering Technology Students by Last WTCS and Initial UWS Enrollment Years

| Last WTCS Year | UWS Cohort Year | | | | | | | | | | | | | | | | Total |
|----------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | 09-10 | 10-11 | |
| 94-95 | 70 | 21 | 13 | 10 | 9 | 4 | 7 | 3 | 4 | 4 | 2 | 1 | 4 | 1 | 1 | 3 | 157 |
| 95-96 | 17 | 63 | 23 | 22 | 14 | 8 | 8 | 4 | 2 | 6 | 6 | | 3 | 2 | 2 | 2 | 182 |
| 96-97 | | 21 | 61 | 31 | 23 | 11 | 16 | 9 | 7 | 3 | 4 | 3 | 2 | 4 | 2 | 3 | 200 |
| 97-98 | | | 24 | 71 | 29 | 13 | 14 | 9 | 8 | 9 | 3 | 1 | 2 | 1 | 9 | 6 | 199 |
| 98-99 | | | | 25 | 66 | 32 | 18 | 15 | 9 | 8 | 2 | 3 | 2 | 3 | 3 | 2 | 188 |
| 99-00 | | | | | 26 | 76 | 19 | 14 | 15 | 7 | 2 | 3 | 7 | 4 | 6 | 2 | 181 |
| 00-01 | | | | | | 16 | 56 | 24 | 13 | 11 | 4 | 6 | 7 | 3 | 3 | 5 | 148 |
| 01-02 | | | | | | | 28 | 67 | 26 | 15 | 6 | 16 | 2 | 3 | 6 | 7 | 176 |
| 02-03 | | | | | | | | 25 | 74 | 18 | 9 | 8 | 7 | 7 | 5 | 10 | 163 |
| 03-04 | | | | | | | | | 24 | 80 | 20 | 9 | 14 | 10 | 5 | 5 | 167 |
| 04-05 | | | | | | | | | | 22 | 57 | 16 | 10 | 12 | 11 | 2 | 130 |
| 05-06 | | | | | | | | | | | 31 | 72 | 31 | 14 | 8 | 10 | 166 |
| 06-07 | | | | | | | | | | | | 25 | 82 | 11 | 17 | 12 | 147 |
| 07-08 | | | | | | | | | | | | | 33 | 54 | 23 | 24 | 134 |
| 08-09 | | | | | | | | | | | | | | 31 | 69 | 22 | 122 |
| 09-10 | | | | | | | | | | | | | | | 29 | 81 | 110 |
| 10-11 | | | | | | | | | | | | | | | | 26 | 26 |
| Total | 87 | 105 | 121 | 159 | 167 | 160 | 166 | 170 | 182 | 183 | 146 | 163 | 206 | 160 | 199 | 222 | 2,596 |

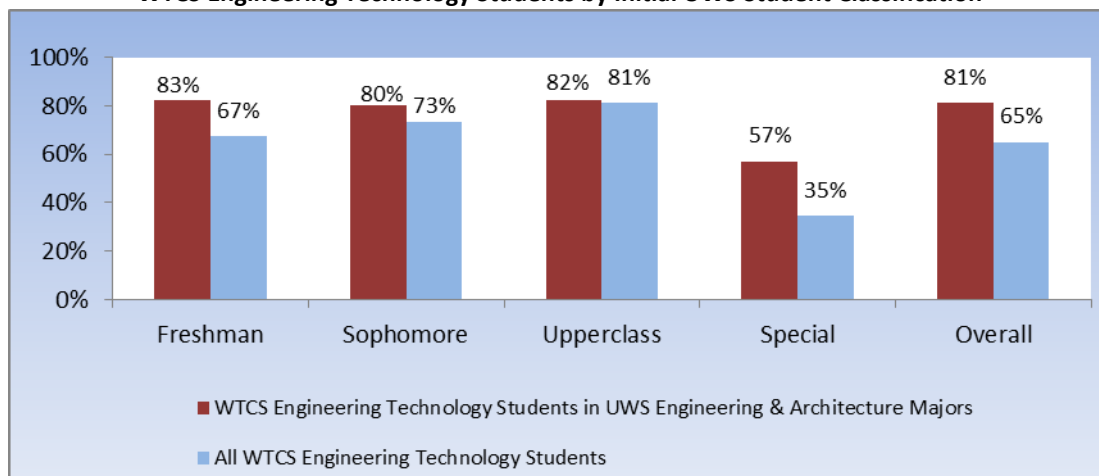
WTCS engineering technology students in the cohort pursued two principal types of majors at the UWS (Table 24). One group of students (30% of the students with declared majors) enrolled in majors in the Engineering & Architecture area. These students were typically enrolled in Engineering/Engineering Technology majors at the UW institution. A second group of the WTCS engineering technology students (26% of the students with declared majors) enrolled in the UWS Business area. In addition, WTCS Engineering Technology students enrolled in a variety of UWS major groups, including Education and Math, Computer & Information Sciences.

Table 24
WTCS/UWS Assessment Cohorts
WTCS Engineering Technology Students by UWS Major Group

| UWS Major Group | # of Students | % of Total | % of Total with Declared Major |
|---------------------------------------|---------------|-------------|--------------------------------|
| Ag & Nat Resources (01) | 37 | 1% | 3% |
| Biological/Physical Sciences (02) | 51 | 2% | 4% |
| Business (03) | 346 | 13% | 26% |
| Communications/Arts (04) | 59 | 2% | 4% |
| Education (05) | 130 | 5% | 10% |
| Engineering & Architecture (06) | 405 | 16% | 30% |
| Health-Related Professions (07) | 40 | 2% | 3% |
| Home Economics/Personal Services (08) | 3 | 0% | 0% |
| Humanities/Liberal Arts (09) | 62 | 2% | 5% |
| Math, Computer & Info Sciences (10) | 113 | 4% | 8% |
| Public Admin/Legal Services (11) | 14 | 1% | 1% |
| Social Sciences (12) | 71 | 3% | 5% |
| Total with Declared Major | 1,331 | 51% | 100% |
| Undeclared | 1,265 | 49% | |
| Total | 2,596 | 100% | |

WTCS engineering technology students who declared a UWS major in the Engineering & Architecture area had an overall second year retention rate of 81 percent (Figure 17). This compares to 65 percent for all WTCS engineering technology students in the assessment study. See Appendix G for details.

Figure 17
Second Year Retention for WTCS/UWS Assessment Cohorts
WTCS Engineering Technology Students by Initial UWS Student Classification



Within the assessment cohorts who enrolled in the UWS from 1995-96 to 2005-06 as degree-seeking students, WTCS engineering technology students who declared a UWS major in the Engineering & Architecture area had a six-year graduation rate of 48 percent, compared to 26 percent for WTCS engineering technology students as a group. See Appendix H for details

The average first year GPA for WTCS engineering technology students varied from 2.2 to 2.9. See Appendix I for details.

A distinct path is shown from WTCS Engineering Technology programs to UWS Engineering/Engineering Technology majors with 21 percent of the students in UWS Engineering/Engineering Technology in the study coming from WTCS Engineering Technology programs (Table 25). Thirteen percent (13%) of UWS engineering/engineering technology students in the cohort were in the WTCS Business, and 12 percent were in Liberal Arts programs.

Table 25
WTCS/UWS Assessment Cohorts
WTCS Source Programs for UWS Engineering/Engineering Technology Majors

| WTCS Program/Program Group | # of Students | % of Total | % of Total with Declared Major |
|----------------------------------|---------------|-------------|--------------------------------|
| Engineering Technology | 534 | 21% | 33% |
| Business Programs | 327 | 13% | 20% |
| Liberal Arts | 306 | 12% | 19% |
| Trades/Technical Programs | 186 | 7% | 11% |
| Other Programs | 265 | 10% | 16% |
| Total with Declared Major | 1,618 | 62% | 100% |
| Undeclared | 980 | 38% | |
| Total | 2,598 | 100% | |

Liberal Arts

The 2012 assessment cohort included 9,975 students who were enrolled in WTCS Liberal Arts programs between 1994-95 and 2010-11 and subsequently enrolled at a UW institution (Table 26). Refer to Appendix X for enrollment of students in WTCS Liberal Arts programs by WTCS institution and UWS institution.

Table 26
WTCS/UWS Assessment Cohorts
WTCS Liberal Arts Students by Last WTCS and Initial UWS Enrollment Years

| Last WTCS Year | UWS Cohort Year | | | | | | | | | | | | | | | | Total |
|----------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | 09-10 | 10-11 | |
| 94-95 | 420 | 36 | 13 | 15 | 13 | 8 | 4 | 4 | 3 | 3 | 1 | 3 | 1 | 1 | 2 | 2 | 529 |
| 95-96 | 197 | 440 | 56 | 20 | 14 | 8 | 5 | 7 | 3 | 6 | 4 | 3 | 6 | 2 | 3 | 2 | 776 |
| 96-97 | | 188 | 397 | 49 | 15 | 14 | 11 | 11 | 5 | 5 | 1 | 7 | 5 | 1 | 4 | 3 | 716 |
| 97-98 | | | 200 | 401 | 38 | 23 | 19 | 5 | 5 | 4 | 2 | 3 | 2 | 2 | | 1 | 705 |
| 98-99 | | | | 170 | 362 | 43 | 23 | 16 | 13 | 1 | 1 | 4 | 2 | 1 | 5 | 5 | 646 |
| 99-00 | | | | | 147 | 350 | 33 | 19 | 21 | 4 | 6 | 2 | 2 | 6 | 3 | 1 | 594 |
| 00-01 | | | | | | 153 | 350 | 44 | 17 | 12 | 8 | 7 | 11 | 6 | 6 | 2 | 616 |
| 01-02 | | | | | | | 192 | 354 | 35 | 23 | 14 | 15 | 10 | 3 | 7 | 6 | 659 |
| 02-03 | | | | | | | | 145 | 310 | 40 | 22 | 11 | 2 | 5 | 7 | 10 | 552 |
| 03-04 | | | | | | | | | 142 | 277 | 36 | 13 | 13 | 5 | 8 | 4 | 498 |
| 04-05 | | | | | | | | | | 146 | 311 | 35 | 13 | 13 | 10 | 3 | 531 |
| 05-06 | | | | | | | | | | | 140 | 349 | 43 | 14 | 13 | 11 | 570 |
| 06-07 | | | | | | | | | | | | 174 | 305 | 35 | 23 | 17 | 554 |
| 07-08 | | | | | | | | | | | | | 181 | 335 | 31 | 24 | 571 |
| 08-09 | | | | | | | | | | | | | | 211 | 388 | 44 | 643 |
| 09-10 | | | | | | | | | | | | | | | 203 | 410 | 613 |
| 10-11 | | | | | | | | | | | | | | | | 202 | 202 |
| Total | 617 | 664 | 666 | 655 | 589 | 599 | 637 | 605 | 554 | 521 | 546 | 626 | 596 | 640 | 713 | 747 | 9,975 |

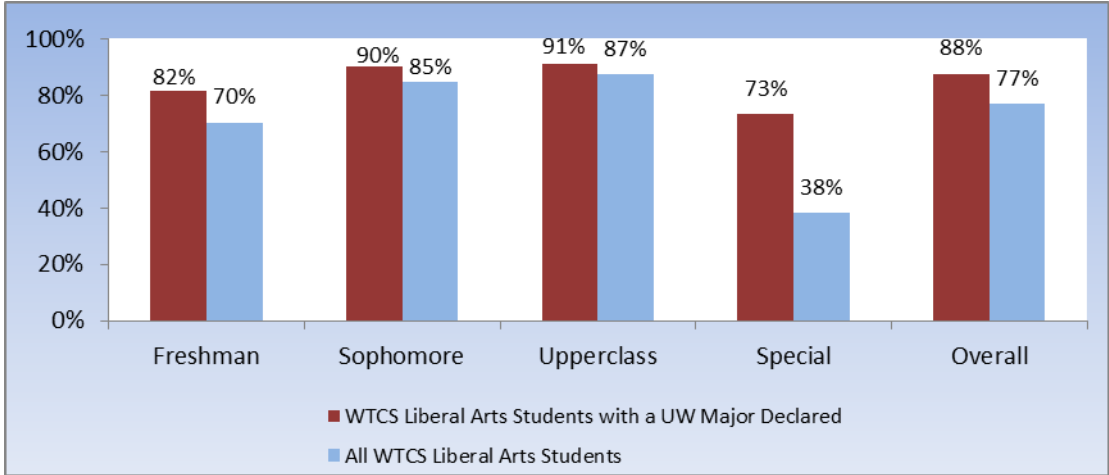
WTCS Liberal Arts students in the cohort pursued a variety of majors at the UWS (Table 27). The top UWS major groups in which students initially enrolled were Social Sciences (11%), Business (11%), and Education (10%).

Table 27
WTCS/UWS Assessment Cohorts
WTCS Liberal Arts Students by UWS Major Group

| UWS Major Group | # of Students | % of Total | % of Total with Declared Major |
|---------------------------------------|---------------|-------------|--------------------------------|
| Ag & Nat Resources (01) | 278 | 3% | 4% |
| Biological/Physical Sciences (02) | 497 | 5% | 7% |
| Business (03) | 1,093 | 11% | 15% |
| Communications/Arts (04) | 846 | 8% | 12% |
| Education (05) | 1,038 | 10% | 14% |
| Engineering & Architecture (06) | 377 | 4% | 5% |
| Health-Related Professions (07) | 673 | 7% | 9% |
| Home Economics/Personal Services (08) | 131 | 1% | 2% |
| Humanities/Liberal Arts (09) | 621 | 6% | 8% |
| Math, Computer & Info Sciences (10) | 252 | 3% | 3% |
| Public Admin/Legal Services (11) | 400 | 4% | 5% |
| Social Sciences (12) | 1,133 | 11% | 15% |
| Total with Declared Major | 7,339 | 74% | 100% |
| Undeclared | 2,636 | 26% | |
| Total | 9,975 | 100% | |

Liberal Arts students who declared a UW major had an overall second year retention rate of 88 percent at the UWS (Figure 18). This compares to 77 percent for all WTCS Liberal Arts students in the assessment study. See Appendix G for details.

Figure 18
Second Year Retention for WTCS/UWS Assessment Cohorts
WTCS Liberal Arts Students by Initial UWS Student Classification



Within the assessment cohorts who enrolled in the UWS from 1995-96 to 2005-06 as degree-seeking students, WTCS Liberal Arts students had a six-year graduation rate of 48 percent, compared to 33 percent for overall degree-seeking students in the assessment study. See Appendix H for details.

The average first year GPA for WTCS Liberal Arts students varied from 2.6 to 2.8. In general, WTCS Liberal Arts students had a comparable average first year GPA as students in the overall assessment group. See Appendix I for details.

Highlights

The 2012 WTCS/UWS Program Assessment Study identifies 82,153 students who attended a WTCS institution in fiscal years 1994-95 through 2010-11 and concurrently or subsequently enrolled at a UW institution. Most students initially enrolled at a UW institution in the year directly following their last WTCS year.

Of the students enrolled in a specific WTCS program, students in applied associate degree programs formed the largest group (26,111), followed by students in technical diploma programs (11,369) and students in liberal arts programs (9,975). While the applied associate degree and technical diploma groups increased over the last several years, the number of students who were enrolled in liberal arts programs offered at Chippewa Valley, Madison Area, Milwaukee Area, Nicolet Area, and Western Technical Colleges and then came to the UWS, fluctuated prior to 2007-08 and increased gradually since 2007-08. There has also been a significant increase in students who attended a WTCS institution and later a UW institution, but were not enrolled in a specific WTCS program (34,698 or 42% of the cohort).

The focus of articulation agreements between the two Systems is primarily on WTCS applied associate degree programs. Fifty percent (50%) of WTCS applied associate degree students who completed an associate degree program entered the UWS as sophomores or upperclassmen (juniors/seniors), whereas only 23 percent of those who did not complete an associate degree program entered the UWS as sophomores or upperclassmen. The proportion of WTCS applied associate degree program students who completed an associate degree program and entered the UWS as sophomores or upperclassmen increased from 45 percent in 1995-96 to 65 percent in 2010-11. The efforts of the two Systems to develop and expand articulation agreements may have contributed to the increase.

While the majority (93%) of WTCS liberal arts students who completed an associate degree program entered the UWS as sophomores or upperclassmen, 58 percent of WTCS liberal arts students who did not complete an associate degree program entered the UWS as sophomores or upperclassmen. Of the liberal arts students in the assessment cohort, however, only 12 percent completed an associate degree program.

Almost half of students (48%) coming to the UWS after attending a WTCS institution entered as transfer students. One third (33%) of students in the cohort were new, degree-seeking students and one seventh (14%) of students initially enrolled as special (non degree-seeking) students. New, degree-seeking students may receive credit for their prior coursework later in their UW enrollment if a transfer credit evaluation is requested. Since students who enroll as specials are not degree-seeking, their prior coursework is usually not evaluated unless they become degree-seeking students.

Overall, 12 percent of the students in the assessment cohort were students of color, and 62 percent came to the UWS as full-time students. Student age was almost evenly distributed among the three age groups - under 20, between 20 and 24, and 25 or over.

Students in the assessment cohort who entered the UWS as sophomores or as upperclassmen had similar second year retention rates, 78 percent and 80 percent, respectively; higher than for those who entered as freshmen (71%). The average first year GPA for the overall group was between 2.7 and 2.9 on a 4.0 scale.

The Nursing, Early Childhood Education, Information Technology (IT), Marketing, Criminal Justice, Accounting, and Engineering Technology applied associate degree programs and the Liberal Arts programs were selected for additional analysis. For students in these programs who enrolled in the UWS, UWS enrollment, UWS majors that they entered, second year retention rates, six-year graduation rates, and average first year GPA were reported. This information should aid in the evaluation of current program-to-program articulation agreements and future revisions to or expansions of the agreements.

The 2012 WTCS/UWS Program Assessment Study included students who were enrolled at a WTCS institution and subsequently enrolled at a UW institution. It identified both the originating WTCS program and the subsequent UWS major in which the students enrolled, and provided academic outcome information for participating students. Transfer for some of these students may have been facilitated by program-to-program articulation agreements. This study should contribute to the broader goal of ensuring that students have the requisite knowledge from their WTCS coursework to succeed in their UWS majors. Future reports may expand on this analysis as well as focus on areas for new WTCS/UWS initiatives.

APPENDICES

Appendix A WTCS/UWS Assessment Cohorts by Initial UWS Enrollment Year and WTCS Institution UWS Cohort Year

| WTCS Institution | UWS Cohort Year | | | | | | | Total | |
|------------------|-----------------|-------|-------|-------|-------|-------|-------|--------|------|
| | 95-96 | 98-99 | 01-02 | 04-05 | 07-08 | 09-10 | 10-11 | # | % |
| Blackhawk | 39 | 89 | 109 | 129 | 132 | 162 | 164 | 1,856 | 2% |
| Chippewa Valley | 69 | 188 | 305 | 374 | 385 | 421 | 489 | 4,809 | 6% |
| Fox Valley | 151 | 283 | 409 | 464 | 569 | 619 | 629 | 6,708 | 8% |
| Gateway | 135 | 229 | 285 | 406 | 456 | 470 | 494 | 5,352 | 7% |
| Lakeshore | 60 | 101 | 158 | 182 | 211 | 223 | 232 | 2,531 | 3% |
| Madison | 549 | 726 | 871 | 945 | 950 | 983 | 1,022 | 13,448 | 16% |
| Mid-State | 66 | 142 | 248 | 260 | 247 | 291 | 277 | 3,429 | 4% |
| Milwaukee | 691 | 1004 | 924 | 942 | 756 | 929 | 1,015 | 14,076 | 17% |
| Moraine Park | 57 | 147 | 233 | 274 | 302 | 322 | 328 | 3,654 | 4% |
| Nicolet | 88 | 108 | 145 | 117 | 106 | 153 | 166 | 2,028 | 2% |
| Northcentral | 75 | 180 | 269 | 308 | 379 | 398 | 471 | 4,322 | 5% |
| Northeast | 97 | 222 | 376 | 475 | 573 | 663 | 669 | 6,313 | 8% |
| Southwest | 28 | 93 | 101 | 124 | 209 | 219 | 249 | 1,998 | 2% |
| Waukesha | 94 | 215 | 258 | 272 | 308 | 380 | 384 | 4,108 | 5% |
| Western | 73 | 214 | 222 | 270 | 277 | 295 | 340 | 3,860 | 5% |
| WI Indianhead | 56 | 119 | 256 | 302 | 318 | 320 | 331 | 3,661 | 4% |
| Total | 2,328 | 4,060 | 5,169 | 5,844 | 6,178 | 6,848 | 7,260 | 82,153 | 100% |

Note: Only selected UW cohort years are shown though total includes UW cohort years from 1995-96 through 2010-11.

Appendix B
WTCS/UWS Assessment Cohorts

by Initial UWS Enrollment Year, WTCS Program Type and Degree Completion Status

| UWS Cohort Year | | Applied Associate Degree | | | Liberal Arts | | | Technical Diploma | | | Undeclared | Total | | |
|-----------------|---|--------------------------|---------|--------|--------------|---------|-------|-------------------|---------|--------|------------|--------|---------|--------|
| | | Deg. | No Deg. | Total | Deg. | No Deg. | Total | Deg. | No Deg. | Total | No Deg. | Deg. | No Deg. | Total |
| 95-96 | # | 138 | 442 | 580 | 46 | 571 | 617 | 117 | 71 | 188 | 943 | 301 | 2,027 | 2,328 |
| | % | 24% | 76% | 100% | 7% | 93% | 100% | 62% | 38% | 100% | 100% | 13% | 87% | 100% |
| 96-97 | # | 204 | 681 | 885 | 59 | 605 | 664 | 178 | 84 | 262 | 1,234 | 441 | 2,604 | 3,045 |
| | % | 23% | 77% | 100% | 9% | 91% | 100% | 68% | 32% | 100% | 100% | 14% | 86% | 100% |
| 97-98 | # | 251 | 702 | 953 | 66 | 600 | 666 | 241 | 121 | 362 | 1,381 | 558 | 2,804 | 3,362 |
| | % | 26% | 74% | 100% | 10% | 90% | 100% | 67% | 33% | 100% | 100% | 17% | 83% | 100% |
| 98-99 | # | 310 | 802 | 1,112 | 67 | 588 | 655 | 302 | 141 | 443 | 1,850 | 679 | 3,381 | 4,060 |
| | % | 28% | 72% | 100% | 10% | 90% | 100% | 68% | 32% | 100% | 100% | 17% | 83% | 100% |
| 99-00 | # | 341 | 934 | 1,275 | 63 | 526 | 589 | 318 | 142 | 460 | 2,055 | 722 | 3,657 | 4,379 |
| | % | 27% | 73% | 100% | 11% | 89% | 100% | 69% | 31% | 100% | 100% | 16% | 84% | 100% |
| 00-01 | # | 396 | 917 | 1,313 | 78 | 521 | 599 | 356 | 180 | 536 | 2,222 | 830 | 3,840 | 4,670 |
| | % | 30% | 70% | 100% | 13% | 87% | 100% | 66% | 34% | 100% | 100% | 18% | 82% | 100% |
| 01-02 | # | 443 | 1,117 | 1,560 | 66 | 571 | 637 | 404 | 193 | 597 | 2,375 | 913 | 4,256 | 5,169 |
| | % | 28% | 72% | 100% | 10% | 90% | 100% | 68% | 32% | 100% | 100% | 18% | 82% | 100% |
| 02-03 | # | 461 | 1,088 | 1,549 | 72 | 533 | 605 | 495 | 191 | 686 | 2,429 | 1,028 | 4,241 | 5,269 |
| | % | 30% | 70% | 100% | 12% | 88% | 100% | 72% | 28% | 100% | 100% | 20% | 80% | 100% |
| 03-04 | # | 462 | 1,251 | 1,713 | 65 | 489 | 554 | 502 | 183 | 685 | 2,581 | 1,029 | 4,504 | 5,533 |
| | % | 27% | 73% | 100% | 12% | 88% | 100% | 73% | 27% | 100% | 100% | 19% | 81% | 100% |
| 04-05 | # | 483 | 1,332 | 1,815 | 71 | 450 | 521 | 646 | 199 | 845 | 2,663 | 1,200 | 4,644 | 5,844 |
| | % | 27% | 73% | 100% | 14% | 86% | 100% | 76% | 24% | 100% | 100% | 21% | 79% | 100% |
| 05-06 | # | 519 | 1,326 | 1,845 | 87 | 459 | 546 | 746 | 221 | 967 | 2,541 | 1,352 | 4,547 | 5,899 |
| | % | 28% | 72% | 100% | 16% | 84% | 100% | 77% | 23% | 100% | 100% | 23% | 77% | 100% |
| 06-07 | # | 567 | 1,374 | 1,941 | 101 | 525 | 626 | 701 | 222 | 923 | 2,437 | 1,369 | 4,558 | 5,927 |
| | % | 29% | 71% | 100% | 16% | 84% | 100% | 76% | 24% | 100% | 100% | 23% | 77% | 100% |
| 07-08 | # | 611 | 1,472 | 2,083 | 68 | 528 | 596 | 822 | 220 | 1,042 | 2,457 | 1,501 | 4,677 | 6,178 |
| | % | 29% | 71% | 100% | 11% | 89% | 100% | 79% | 21% | 100% | 100% | 24% | 76% | 100% |
| 08-09 | # | 666 | 1,535 | 2,201 | 79 | 561 | 640 | 839 | 221 | 1,060 | 2,481 | 1,584 | 4,798 | 6,382 |
| | % | 30% | 70% | 100% | 12% | 88% | 100% | 79% | 21% | 100% | 100% | 25% | 75% | 100% |
| 09-10 | # | 764 | 1,707 | 2,471 | 84 | 629 | 713 | 896 | 244 | 1,140 | 2,524 | 1,744 | 5,104 | 6,848 |
| | % | 31% | 69% | 100% | 12% | 88% | 100% | 79% | 21% | 100% | 100% | 25% | 75% | 100% |
| 10-11 | # | 885 | 1,930 | 2,815 | 96 | 651 | 747 | 922 | 251 | 1,173 | 2,525 | 1,903 | 5,357 | 7,260 |
| | % | 31% | 69% | 100% | 13% | 87% | 100% | 79% | 21% | 100% | 100% | 26% | 74% | 100% |
| Total | # | 7,501 | 18,610 | 26,111 | 1,168 | 8,807 | 9,975 | 8,485 | 2,884 | 11,369 | 34,698 | 17,154 | 64,999 | 82,153 |
| | % | 29% | 71% | 100% | 12% | 88% | 100% | 75% | 25% | 100% | 100% | 21% | 79% | 100% |

Appendix C
WTCS/UWS Assessment Cohorts
by Initial UWS Enrollment Year and Student Classification

| UWS Cohort Year | | Student Classification | | | | Overall |
|-----------------|---|------------------------|-----------|------------|---------|---------|
| | | Freshman | Sophomore | Upperclass | Special | |
| 1995-96 | # | 1,131 | 417 | 258 | 522 | 2,328 |
| | % | 49% | 18% | 11% | 22% | 100% |
| 1996-97 | # | 1,550 | 476 | 318 | 701 | 3,045 |
| | % | 51% | 16% | 10% | 23% | 100% |
| 1997-98 | # | 1,818 | 476 | 331 | 737 | 3,362 |
| | % | 54% | 14% | 10% | 22% | 100% |
| 1998-99 | # | 2,328 | 529 | 409 | 794 | 4,060 |
| | % | 57% | 13% | 10% | 20% | 100% |
| 1999-00 | # | 2,586 | 545 | 349 | 899 | 4,379 |
| | % | 59% | 12% | 8% | 21% | 100% |
| 2000-01 | # | 2,723 | 549 | 396 | 1,002 | 4,670 |
| | % | 58% | 12% | 8% | 21% | 100% |
| 2001-02 | # | 3,071 | 576 | 455 | 1,067 | 5,169 |
| | % | 59% | 11% | 9% | 21% | 100% |
| 2002-03 | # | 3,181 | 615 | 431 | 1,042 | 5,269 |
| | % | 60% | 12% | 8% | 20% | 100% |
| 2003-04 | # | 3,464 | 645 | 495 | 929 | 5,533 |
| | % | 63% | 12% | 9% | 17% | 100% |
| 2004-05 | # | 3,668 | 697 | 497 | 982 | 5,844 |
| | % | 63% | 12% | 9% | 17% | 100% |
| 2005-06 | # | 3,685 | 755 | 534 | 925 | 5,899 |
| | % | 62% | 13% | 9% | 16% | 100% |
| 2006-07 | # | 3,582 | 796 | 717 | 832 | 5,927 |
| | % | 60% | 13% | 12% | 14% | 100% |
| 2007-08 | # | 3,708 | 861 | 739 | 870 | 6,178 |
| | % | 60% | 14% | 12% | 14% | 100% |
| 2008-09 | # | 3,697 | 928 | 936 | 821 | 6,382 |
| | % | 58% | 15% | 15% | 13% | 100% |
| 2009-10 | # | 3,919 | 1,111 | 1,009 | 809 | 6,848 |
| | % | 57% | 16% | 15% | 12% | 100% |
| 2010-11 | # | 4,068 | 1,267 | 1,124 | 801 | 7,260 |
| | % | 56% | 17% | 15% | 11% | 100% |
| Total | # | 48,179 | 11,243 | 8,998 | 13,733 | 82,153 |
| | % | 59% | 14% | 11% | 17% | 100% |

Appendix D
WTCS/UWS Assessment Cohorts
by WTCS Program Type, WTCS Degree Completion Status,
and Initial UWS Student Classification

| Program Type | | Classification | 95-96 | | 00-01 | | 05-06 | | 09-10 | | 10-11 | | Overall | |
|--------------------------|-----------|----------------|-------|------|-------|------|-------|------|-------|------|-------|------|---------|------|
| | | | # | % | # | % | # | % | # | % | # | % | # | % |
| Applied Associate Degree | Degree | Freshman | 56 | 41% | 186 | 47% | 198 | 38% | 237 | 31% | 250 | 28% | 2,691 | 36% |
| | | Sophomore | 35 | 25% | 63 | 16% | 129 | 25% | 170 | 22% | 218 | 25% | 1,544 | 21% |
| | | Upperclass | 27 | 20% | 70 | 18% | 117 | 23% | 295 | 39% | 358 | 40% | 2,158 | 29% |
| | | Special | 20 | 14% | 77 | 19% | 75 | 14% | 62 | 8% | 59 | 7% | 1,108 | 15% |
| | | Sub-Total | 138 | 100% | 396 | 100% | 519 | 100% | 764 | 100% | 885 | 100% | 7,501 | 100% |
| | No Degree | Freshman | 289 | 65% | 598 | 65% | 838 | 63% | 963 | 56% | 1,051 | 54% | 11,452 | 62% |
| | | Sophomore | 37 | 8% | 102 | 11% | 185 | 14% | 330 | 19% | 456 | 24% | 2,765 | 15% |
| | | Upperclass | 15 | 3% | 37 | 4% | 96 | 7% | 224 | 13% | 237 | 12% | 1,526 | 8% |
| | | Special | 101 | 23% | 180 | 20% | 207 | 16% | 190 | 11% | 186 | 10% | 2,867 | 15% |
| | | Sub-Total | 442 | 100% | 917 | 100% | 1,326 | 100% | 1,707 | 100% | 1,930 | 100% | 18,610 | 100% |
| | Total | | 580 | | 1,313 | | 1,845 | | 2,471 | | 2,815 | | 26,111 | |
| Liberal Arts | Degree | Freshman | | 0% | 2 | 3% | 2 | 2% | 2 | 2% | 2 | 2% | 19 | 2% |
| | | Sophomore | 1 | 2% | 2 | 3% | 6 | 7% | 6 | 7% | 4 | 4% | 84 | 7% |
| | | Upperclass | 44 | 96% | 70 | 90% | 74 | 85% | 72 | 86% | 83 | 86% | 1,004 | 86% |
| | | Special | 1 | 2% | 4 | 5% | 5 | 6% | 4 | 5% | 7 | 7% | 61 | 5% |
| | | Sub-Total | 46 | 100% | 78 | 100% | 87 | 100% | 84 | 100% | 96 | 100% | 1,168 | 100% |
| | No Degree | Freshman | 187 | 33% | 180 | 35% | 138 | 30% | 195 | 31% | 169 | 26% | 2,877 | 33% |
| | | Sophomore | 243 | 43% | 211 | 40% | 195 | 42% | 245 | 39% | 242 | 37% | 3,521 | 40% |
| | | Upperclass | 94 | 16% | 75 | 14% | 78 | 17% | 141 | 22% | 179 | 27% | 1,604 | 18% |
| | | Special | 47 | 8% | 55 | 11% | 48 | 10% | 48 | 8% | 61 | 9% | 805 | 9% |
| | | Sub-Total | 571 | 100% | 521 | 100% | 459 | 100% | 629 | 100% | 651 | 100% | 8,807 | 100% |
| | Total | | 617 | | 599 | | 546 | | 713 | | 747 | | 9,975 | |

Note: Only selected UW cohort years are shown though overall includes UW cohort years from 1995-96 through 2010-11.

Appendix E
WTCS/UWS Assessment Cohorts
by Initial UWS Entrance Status and Institution

| UW Institution | Transfer | | New Degree-Seeking | | New Special | | Re-Entry/ Continuing | | Overall |
|------------------|----------|-----|--------------------|-----|-------------|-----|-------------------------|----|---------|
| | # | % | # | % | # | % | # | % | |
| UW-Madison | 3,727 | 48% | 2,136 | 28% | 1,544 | 20% | 315 | 4% | 7,722 |
| UW-Milwaukee | 8,166 | 53% | 3,164 | 21% | 2,818 | 18% | 1,264 | 8% | 15,412 |
| UW-Eau Claire | 1,529 | 41% | 1,698 | 45% | 421 | 11% | 109 | 3% | 3,757 |
| UW-Green Bay | 2,557 | 59% | 1,219 | 28% | 351 | 8% | 222 | 5% | 4,349 |
| UW-La Crosse | 1,895 | 50% | 1,394 | 37% | 444 | 12% | 76 | 2% | 3,809 |
| UW-Oshkosh | 2,888 | 50% | 2,325 | 40% | 339 | 6% | 198 | 3% | 5,750 |
| UW-Parkside | 1,890 | 49% | 1,141 | 30% | 599 | 15% | 236 | 6% | 3,866 |
| UW-Platteville | 1,051 | 33% | 1,449 | 45% | 469 | 15% | 245 | 8% | 3,214 |
| UW-River Falls | 584 | 40% | 730 | 49% | 135 | 9% | 29 | 2% | 1,478 |
| UW-Stevens Point | 2,204 | 55% | 1,167 | 29% | 515 | 13% | 126 | 3% | 4,012 |
| UW-Stout | 3,787 | 68% | 1,118 | 20% | 257 | 5% | 381 | 7% | 5,543 |
| UW-Superior | 1,058 | 66% | 336 | 21% | 114 | 7% | 84 | 5% | 1,592 |
| UW-Whitewater | 2,391 | 58% | 1,259 | 31% | 271 | 7% | 170 | 4% | 4,091 |
| UW Colleges | 5,523 | 31% | 7,723 | 44% | 3,551 | 20% | 761 | 4% | 17,558 |
| UW System Total | 39,250 | 48% | 26,859 | 33% | 11,828 | 14% | 4,216 | 5% | 82,153 |

Note:

"**Transfers**" include (1) new students with transfer work, who had not previously enrolled at the UW institution and (2) re-entry students, who re-enrolled at the UW with transfer work.

"**New Degree-Seeking**" students were new to the UW institution, initially enrolling with no transfer work.

"**New Specials**" may have enrolled at the UW with no intent of seeking a degree.

"**Re-entry**" students re-enrolled at the UW institution with no transfer work; "**Continuing**" students were enrolled at both a WTCS and UW institution during the same year.

Appendix F
Second Year Retention for WTCS/UWS Assessment Cohorts
by Initial UWS Enrollment Year and Student Classification

| UWS Cohort Year | Student Classification | # in Cohort | Retained to 2nd Year | |
|-----------------|------------------------|-------------|----------------------|-----|
| | | | # | % |
| 1995-96 | Freshman | 1,131 | 767 | 68% |
| | Sophomore | 417 | 324 | 78% |
| | Upperclass | 258 | 197 | 76% |
| | Special | 522 | 145 | 28% |
| | Total | 2,328 | 1,433 | 62% |
| 1997-98 | Freshman | 1,818 | 1,289 | 71% |
| | Sophomore | 476 | 383 | 80% |
| | Upperclass | 331 | 269 | 81% |
| | Special | 737 | 236 | 32% |
| | Total | 3,362 | 2,177 | 65% |
| 1999-00 | Freshman | 2,586 | 1,801 | 70% |
| | Sophomore | 545 | 419 | 77% |
| | Upperclass | 349 | 262 | 75% |
| | Special | 899 | 282 | 31% |
| | Total | 4,379 | 2,764 | 63% |
| 2001-02 | Freshman | 3,071 | 2,149 | 70% |
| | Sophomore | 576 | 435 | 76% |
| | Upperclass | 455 | 379 | 83% |
| | Special | 1,067 | 365 | 34% |
| | Total | 5,169 | 3,328 | 64% |
| 2003-04 | Freshman | 3,464 | 2,470 | 71% |
| | Sophomore | 645 | 509 | 79% |
| | Upperclass | 495 | 389 | 79% |
| | Special | 929 | 298 | 32% |
| | Total | 5,533 | 3,666 | 66% |
| 2005-06 | Freshman | 3,685 | 2,612 | 71% |
| | Sophomore | 755 | 575 | 76% |
| | Upperclass | 534 | 420 | 79% |
| | Special | 925 | 290 | 31% |
| | Total | 5,899 | 3,897 | 66% |
| 2007-08 | Freshman | 3,708 | 2,661 | 72% |
| | Sophomore | 861 | 669 | 78% |
| | Upperclass | 739 | 589 | 80% |
| | Special | 870 | 273 | 31% |
| | Total | 6,178 | 4,192 | 68% |
| 2009-10 | Freshman | 3,919 | 2,886 | 74% |
| | Sophomore | 1,111 | 890 | 80% |
| | Upperclass | 1,009 | 814 | 81% |
| | Special | 809 | 247 | 31% |
| | Total | 6,848 | 4,837 | 71% |
| Overall* | Freshman | 44,111 | 31,456 | 71% |
| | Sophomore | 9,976 | 7,809 | 78% |
| | Upperclass | 7,674 | 5,742 | 80% |
| | Special | 13,132 | 4,640 | 31% |
| | Total | 74,893 | 49,647 | 66% |

*Includes UWS cohort years from 1995-96 through 2009-10.

Appendix G
Second Year Retention for WTCS/UWS Assessment Cohorts
for Specific Program Groups by Initial UWS Student Classification

| WTCS Program Type | Student Classification | # in Cohort | Retained to 2nd Year | | # in Cohort | Retained to 2nd Year | |
|-----------------------------|------------------------|---|----------------------|-----|---|----------------------|-----|
| | | | # | % | | # | % |
| Nursing | | All WTCS Nursing AD Students | | | WTCS Nursing AD Students in UWS Health-Related Majors | | |
| | Freshman | 804 | 485 | 60% | 202 | 145 | 72% |
| | Sophomore | 316 | 193 | 61% | 175 | 113 | 65% |
| | Upperclass | 452 | 324 | 72% | 398 | 282 | 71% |
| | Special | 630 | 189 | 30% | 33 | 24 | 73% |
| | Total | 2,202 | 1,191 | 54% | 808 | 564 | 70% |
| Early Child Education | | All WTCS Early Childhood Education Students | | | WTCS Early Childhood Education Students in UWS Education Majors | | |
| | Freshman | 455 | 279 | 61% | 161 | 106 | 66% |
| | Sophomore | 193 | 145 | 75% | 135 | 109 | 81% |
| | Upperclass | 109 | 85 | 78% | 80 | 62 | 78% |
| | Special | 195 | 61 | 31% | 17 | 8 | 47% |
| | Total | 952 | 570 | 60% | 393 | 285 | 73% |
| Information Technology (IT) | | All WTCS IT Students | | | WTCS IT Students in UWS Business & Math, Computer & Info Sciences Majors | | |
| | Freshman | 1,323 | 859 | 65% | 400 | 283 | 71% |
| | Sophomore | 289 | 212 | 73% | 144 | 110 | 76% |
| | Upperclass | 304 | 240 | 79% | 187 | 149 | 80% |
| | Special | 358 | 123 | 34% | 29 | 19 | 66% |
| | Total | 2,274 | 1,434 | 63% | 760 | 561 | 74% |
| Marketing | | All WTCS Marketing Students | | | WTCS Marketing Students in UWS Business & Marketing Ed Majors | | |
| | Freshman | 1,279 | 886 | 69% | 318 | 230 | 72% |
| | Sophomore | 340 | 267 | 79% | 162 | 134 | 83% |
| | Upperclass | 258 | 215 | 83% | 183 | 153 | 84% |
| | Special | 225 | 68 | 30% | 13 | 10 | 77% |
| | Total | 2,102 | 1,436 | 68% | 676 | 527 | 78% |
| Criminal Justice | | All WTCS Criminal Justice Students | | | WTCS Criminal Justice Students in UWS Public Administration/Legal Services Majors | | |
| | Freshman | 1,084 | 688 | 63% | 195 | 140 | 72% |
| | Sophomore | 307 | 207 | 67% | 127 | 85 | 67% |
| | Upperclass | 145 | 110 | 76% | 27 | 25 | 93% |
| | Special | 195 | 49 | 25% | 13 | 10 | 77% |
| | Total | 1,731 | 1,054 | 61% | 362 | 260 | 72% |
| Accounting | | All WTCS Accounting Students | | | WTCS Accounting Students in UWS Business Majors | | |
| | Freshman | 863 | 570 | 66% | 286 | 215 | 75% |
| | Sophomore | 228 | 170 | 75% | 128 | 106 | 83% |
| | Upperclass | 162 | 126 | 78% | 95 | 71 | 75% |
| | Special | 214 | 74 | 35% | 21 | 13 | 62% |
| | Total | 1,467 | 940 | 64% | 530 | 405 | 76% |
| Engineering Technology | | All WTCS Engineering Technology Students | | | WTCS Engineering Technology Students in UWS Engineering & Architecture Majors | | |
| | Freshman | 1,332 | 899 | 67% | 155 | 128 | 83% |
| | Sophomore | 297 | 218 | 73% | 115 | 92 | 80% |
| | Upperclass | 365 | 296 | 81% | 253 | 208 | 82% |
| | Special | 380 | 132 | 35% | 14 | 8 | 57% |
| | Total | 2,374 | 1,545 | 65% | 537 | 436 | 81% |
| Liberal Arts | | All WTCS Liberal Arts Students | | | WTCS Liberal Arts Students with a UW Major Declared | | |
| | Freshman | 2,725 | 1,918 | 70% | 1,765 | 1,439 | 82% |
| | Sophomore | 3,359 | 2,840 | 85% | 2,784 | 2,506 | 90% |
| | Upperclass | 2,346 | 2,048 | 87% | 2,073 | 1,891 | 91% |
| | Special | 798 | 306 | 38% | 231 | 169 | 73% |
| | Total | 9,228 | 7,112 | 77% | 6,853 | 6,005 | 88% |

Appendix H
Six-Year Graduation Rate
for WTCS/UWS Assessment Cohorts*
for Specific Program Groups

| WTCS Program Type | | # in Cohort | Graduated in 6 Years | |
|-----------------------------|---|-------------|----------------------|-----|
| | | | # | % |
| Nursing | All WTCS Nursing AD Students | 897 | 207 | 23% |
| | WTCS Nursing AD Students in UWS Health-Related Majors | 409 | 140 | 34% |
| Early Childhood Education | All WTCS Early Childhood Education Students | 361 | 99 | 27% |
| | WTCS Early Childhood Education Students in UWS Education Majors | 162 | 65 | 40% |
| Information Technology (IT) | All WTCS Information Technology (IT) Students | 1,218 | 303 | 25% |
| | WTCS IT Students in UWS Business or Math, Computer & Information Sciences Majors | 428 | 174 | 41% |
| Marketing | All WTCS Marketing Students | 1,219 | 408 | 33% |
| | WTCS Marketing Students in UWS Business & Marketing Ed Majors | 438 | 214 | 49% |
| Criminal Justice | All WTCS Criminal Justice Students | 969 | 239 | 25% |
| | WTCS Criminal Justice Students in UWS Public Administration/Legal Services Majors | 183 | 77 | 42% |
| Accounting | All WTCS Accounting Students | 807 | 216 | 27% |
| | WTCS Accounting Students in UWS Business Majors | 329 | 129 | 39% |
| Engineering Technology | All WTCS Engineering Technology Students | 1,346 | 350 | 26% |
| | WTCS Engineering Technology Students in UWS Engineering & Architecture Majors | 332 | 161 | 48% |
| Liberal Arts | | 6,064 | 2,910 | 48% |
| Overall | | 39,958 | 13,186 | 33% |

*Includes 1995-96 to 2005-06 degree-seeking students only.

Appendix I
Average First Year GPA for WTCS/UWS Assessment Cohorts
for Specific Program Groups by Initial UWS Enrollment Year

| WTCS Program Type | | 95-96 | 97-98 | 99-00 | 01-02 | 03-04 | 05-06 | 07-08 | 09-10 | 10-11 | Overall |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| Nursing | # in Cohort | 36 | 83 | 92 | 123 | 166 | 205 | 209 | 209 | 281 | 2,483 |
| | 1st Year GPA | 2.9 | 3.1 | 3.1 | 3.0 | 2.9 | 3.0 | 2.9 | 3.0 | 3.1 | 3.0 |
| Early Childhood Education | # in Cohort | 9 | 20 | 43 | 56 | 67 | 75 | 116 | 132 | 167 | 1,119 |
| | 1st Year GPA | 2.9 | 2.7 | 2.6 | 3.1 | 2.8 | 2.6 | 3.0 | 2.9 | 2.9 | 2.8 |
| Information Technology (IT) | # in Cohort | 35 | 80 | 109 | 192 | 199 | 164 | 182 | 225 | 252 | 2,526 |
| | 1st Year GPA | 2.9 | 2.7 | 2.4 | 2.8 | 2.7 | 2.6 | 2.8 | 2.7 | 2.9 | 2.8 |
| Marketing | # in Cohort | 53 | 80 | 124 | 171 | 154 | 179 | 166 | 175 | 169 | 2,271 |
| | 1st Year GPA | 2.5 | 2.7 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.7 | 2.8 | 2.6 |
| Criminal Justice | # in Cohort | 54 | 89 | 104 | 109 | 125 | 142 | 167 | 212 | 236 | 1,967 |
| | 1st Year GPA | 2.6 | 2.5 | 2.4 | 2.7 | 2.5 | 2.4 | 2.4 | 2.4 | 2.7 | 2.5 |
| Accounting | # in Cohort | 46 | 70 | 75 | 95 | 90 | 111 | 135 | 146 | 150 | 1,617 |
| | 1st Year GPA | 3.0 | 2.9 | 2.5 | 2.9 | 2.8 | 2.7 | 2.8 | 2.8 | 3.0 | 2.8 |
| Engineering Technology | # in Cohort | 87 | 121 | 167 | 166 | 182 | 146 | 206 | 199 | 222 | 2,596 |
| | 1st Year GPA | 2.2 | 2.6 | 2.7 | 2.9 | 2.9 | 2.8 | 2.7 | 2.9 | 2.8 | 2.8 |
| Liberal Arts | # in Cohort | 617 | 666 | 589 | 637 | 554 | 546 | 596 | 713 | 747 | 9,975 |
| | 1st Year GPA | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.8 | 2.8 | 2.7 |
| Overall | # in Cohort | 2,328 | 3,362 | 4,379 | 5,169 | 5,533 | 5,899 | 6,178 | 6,848 | 7,260 | 82,153 |
| | 1st Year GPA | 2.7 | 2.8 | 2.8 | 2.8 | 2.8 | 2.7 | 2.8 | 2.8 | 2.9 | 2.8 |

Note: Only selected UW cohort years are shown though overall includes UW cohort years from 1995-96 through 2010-11.

Appendix J
WTCS/UWS Assessment Cohorts
Students in WTCS Nursing Applied Associate Degree Programs
Enrollment by WTCS Institution and UWS Institution

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC | TOTAL |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Blackhawk | 5 | 7 | 1 | 2 | | 6 | 1 | 4 | | 2 | 2 | | 7 | 74 | 111 |
| Chippewa Valley | 1 | 1 | 87 | 4 | 3 | | | 1 | 12 | 3 | 21 | 1 | 1 | 18 | 153 |
| Fox Valley | 2 | 2 | 1 | 53 | 1 | 102 | 2 | | 1 | 9 | 1 | | | 61 | 235 |
| Gateway | 2 | 65 | 1 | 7 | | 7 | 116 | 1 | | 1 | | | 11 | 14 | 225 |
| Lakeshore | 1 | 8 | 1 | 30 | | 28 | 1 | | | 2 | | | | 113 | 184 |
| Madison | 84 | 14 | 2 | 2 | 1 | 10 | | | | | | | 3 | 29 | 145 |
| Mid-State | 2 | 1 | 4 | 3 | | 24 | | | | 39 | | | | 44 | 117 |
| Milwaukee | 4 | 196 | 1 | 6 | | 9 | 8 | | | | | | 2 | 21 | 247 |
| Moraine Park | 5 | 24 | | 4 | | 27 | | 1 | | 3 | 1 | | | 83 | 148 |
| Nicolet | 4 | 6 | 6 | 47 | 2 | 5 | | 1 | 1 | 10 | 2 | 5 | 1 | 14 | 104 |
| Northcentral | 2 | 3 | 4 | 15 | 1 | 33 | | 1 | | 20 | 1 | 1 | | 72 | 153 |
| Northeast WI | 2 | 3 | 1 | 119 | | 11 | | | | 15 | | | | 47 | 198 |
| Southwest WI | 4 | | | 2 | 1 | | 1 | 15 | | 2 | | | | 23 | 48 |
| Waukesha | 1 | 74 | | 1 | 1 | 1 | 5 | | | 1 | 1 | | 8 | 72 | 165 |
| Western | 4 | 5 | 6 | 10 | 71 | 8 | 3 | 2 | 3 | 5 | 4 | | 2 | 24 | 147 |
| WI Indianhead | 3 | 1 | 25 | 9 | 1 | 3 | 1 | | 8 | 2 | 8 | 21 | | 21 | 103 |
| * Overall Total | 126 | 410 | 140 | 314 | 82 | 274 | 138 | 26 | 25 | 114 | 41 | 28 | 35 | 730 | 2,483 |
| * Major-Specific Total | 105 | 234 | 89 | 243 | 4 | 237 | 4 | | | 7 | 7 | | 1 | | 931 |

Note: Shaded areas indicate WTCS/UWS institutions with transfer agreements in nursing.

* Overall Total includes all WTCS Nursing Applied Associate Degree students who enrolled in the UWS; Major-Specific Total includes only WTCS Nursing Applied Associate Degree students enrolled in UWS Health-Related majors.

Appendix K
WTCS/UWS Program-to-Program Transfer Agreements
for WTCS Nursing Applied Associate Degree Programs

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Blackhawk | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Chippewa Valley | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Fox Valley | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Gateway | N1 | N1 | N1 | N1 | | N1 | N2 | | | | | | | |
| Lakeshore | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Madison | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Mid-State | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Milwaukee | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Moraine Park | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Nicolet | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Northcentral | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Northeast WI | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Southwest WI | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Waukesha | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| Western | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |
| WI Indianhead | N1 | N1 | N1 | N1 | | N1 | | | | | | | | |

N1 = WTCS Nursing Applied Associate Degree to UWS Collaborative Nursing (2010)

N2 = WTCS Nursing Applied Associate Degree to UW-Parkside and UW-Milwaukee Consortial Nursing Program (2000)

Note: In addition to program-to-program agreements, UW institutions may also transfer specific WTCS nursing courses regardless of the student's program or major.

Appendix L
WTCS/UWS Assessment Cohorts
Students in WTCS Early Childhood Education Programs
Enrollment by WTCS Institution and UWS Institution

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC | TOTAL |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Blackhawk | 1 | 7 | | | | | | 16 | | | 2 | 1 | 35 | 16 | 78 |
| Chippewa Valley | | 1 | 2 | 1 | 1 | | | | 1 | | 17 | | | | 23 |
| Fox Valley | | 4 | | 9 | | 76 | 1 | 1 | | 2 | 14 | 2 | | 40 | 149 |
| Gateway | | 14 | | | 1 | | 43 | | | 2 | 1 | | 12 | 2 | 75 |
| Lakeshore | | 4 | | | | 7 | | | | | | | 1 | 12 | 24 |
| Madison | 19 | 11 | 1 | | | 3 | | 11 | 1 | 1 | 3 | 2 | 15 | 6 | 73 |
| Mid-State | | 2 | | | | 2 | | 1 | 1 | 21 | 2 | 1 | 4 | 8 | 42 |
| Milwaukee | 1 | 121 | | | | 1 | 2 | 1 | | | 2 | 1 | 3 | 5 | 137 |
| Moraine Park | | 6 | | 1 | 1 | 11 | | 2 | | | | 3 | 2 | 23 | 49 |
| Nicolet | | | 1 | 3 | | 3 | | 2 | | 24 | 4 | 22 | | 2 | 61 |
| Northcentral | | 2 | 1 | 2 | 1 | 2 | | | | 10 | 8 | 5 | | 19 | 50 |
| Northeast WI | | 5 | 1 | 21 | 3 | 9 | | 1 | 1 | | 2 | 5 | 3 | 7 | 58 |
| Southwest WI | 1 | 2 | | | 2 | | | 24 | 1 | | | 2 | 1 | 5 | 38 |
| Waukesha | | 36 | | 1 | | 1 | | 1 | | 2 | 1 | | 13 | 32 | 87 |
| Western | | | 2 | | 31 | | 1 | 4 | 3 | 1 | 6 | 2 | | 5 | 55 |
| WI Indianhead | | 1 | 3 | | 2 | | | 3 | 25 | | 40 | 38 | | 8 | 120 |
| * Overall Total | 22 | 216 | 11 | 38 | 42 | 115 | 47 | 67 | 33 | 63 | 102 | 84 | 89 | 190 | 1,119 |
| * Major-Specific Total | 2 | 86 | 5 | 1 | 18 | 88 | 3 | 25 | 21 | 36 | 64 | 49 | 73 | | 471 |

Note: Shaded areas indicate WTCS/UWS institutions with transfer agreements in early childhood education.

* Overall Total includes all WTCS Early Childhood Education students who enrolled in the UWS; Major-Specific Total includes only WTCS Early Childhood Education students enrolled in UWS Education majors.

Appendix M
WTCS/UWS Program-to-Program Transfer Agreements
for WTCS Early Childhood Education Program

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Blackhawk | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Chippewa Valley | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Fox Valley | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Gateway | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Lakeshore | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Madison | | E1 | | | E3 | E4 | | E5 | E6 | E7 | E8 | | E10 | |
| Mid-State | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Milwaukee | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Moraine Park | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Nicolet | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Northcentral | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Northeast WI | | E1 | | E2 | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Southwest WI | | E1 | | | E3 | E4 | | E5 | E6 | E7 | E8 | | E10 | |
| Waukesha | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| Western | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | | E10 | |
| WI Indianhead | | E1 | | | E3 | E4 | | | E6 | E7 | E8 | E9 | E10 | |

E1 = WTCS Early Childhood Education to UW-Milwaukee Early Childhood Education (2011) & Community Education (2001)

E2 = WTCS Early Childhood Education to UW-Green Bay Education/Early Childhood or Midchildhood License Program (2009)

E3 = WTCS Early Childhood Education to UW-La Crosse Early-Middle Childhood Education (2007)

E4 = WTCS Early Childhood Education to UW-Oshkosh Education Licensure (Early-Middle Childhood & Early Child/Early Child Spec Ed) (2008)

E5 = WTCS Early Childhood Education to UW-Platteville Elementary Education/Early Childhood (2006)

E6 = WTCS Early Childhood Education to UW-River Falls Elementary Education (Early Child Minor) (2007)

E7 = WTCS Early Childhood Education to UW-Stevens Point Early Childhood Education (2006)

E8 = WTCS Early Childhood Education to UW-Stout Human Development/Family Studies (2009) & Early Childhood Education (2006)

E9 = WTCS Early Childhood Education to UW-Superior Elementary Education (Early Childhood Minor) (2009)

E10 = WTCS Early Childhood Education to UW-Whitewater Early Childhood Ed (2011)

Note: In addition to program-to-program agreements, UW institutions may also transfer specific WTCS early childhood education courses regardless of the student's program or major.

Appendix N
WTCS/UWS Assessment Cohorts
Students in WTCS Information Technology (IT) Programs
Enrollment by WTCS Institution and UWS Institution

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC | TOTAL |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Blackhawk | 3 | 2 | | | | | | 7 | 1 | 1 | 1 | | 11 | 45 | 71 |
| Chippewa Valley | 1 | 4 | 59 | 3 | 3 | 1 | | 1 | 11 | 3 | 129 | 3 | | 10 | 228 |
| Fox Valley | 4 | 13 | | 17 | 2 | 128 | 2 | 4 | 1 | 15 | 16 | | 1 | 92 | 295 |
| Gateway | 1 | 18 | 1 | | | 1 | 159 | 4 | | 2 | 4 | 1 | 23 | 10 | 224 |
| Lakeshore | | 4 | | 5 | 1 | 2 | 1 | 1 | | | 10 | | | 55 | 79 |
| Madison | 71 | 22 | 4 | 2 | 3 | 9 | 5 | 17 | | 7 | 13 | 2 | 29 | 24 | 208 |
| Mid-State | 1 | 2 | 4 | 4 | 2 | 6 | | 1 | 1 | 69 | 5 | | 1 | 30 | 126 |
| Milwaukee | 2 | 320 | 2 | 3 | 3 | 9 | 21 | 6 | | 2 | 5 | | 13 | 36 | 422 |
| Moraine Park | 1 | 7 | | 5 | | 17 | | 2 | | | 9 | | 2 | 44 | 87 |
| Nicolet | | 2 | | 2 | 1 | 3 | | 2 | | 7 | 6 | 2 | 1 | 4 | 30 |
| Northcentral | | 7 | 6 | 1 | 1 | 5 | 1 | 3 | | 21 | 32 | 1 | 2 | 60 | 140 |
| Northeast WI | 1 | 5 | 2 | 73 | | 14 | | 2 | | 5 | 6 | 1 | | 28 | 137 |
| Southwest WI | | | | | 2 | | | 32 | | 1 | 1 | | 2 | 20 | 58 |
| Waukesha | 3 | 60 | 1 | 1 | 1 | | 5 | 2 | | 4 | 10 | | 14 | 64 | 165 |
| Western | 1 | 7 | 3 | | 88 | 1 | | 6 | 1 | 2 | 16 | 2 | 2 | 8 | 137 |
| WI Indianhead | 1 | 2 | 3 | | | | | 1 | 16 | 2 | 28 | 46 | | 20 | 119 |
| * Overall Total | 90 | 475 | 85 | 116 | 107 | 196 | 194 | 91 | 31 | 141 | 291 | 58 | 101 | 550 | 2,526 |
| * Major-Specific Total | 4 | 224 | 28 | 28 | 43 | 59 | 69 | 39 | 14 | 63 | 215 | 23 | 53 | | 862 |

Note: Shaded areas indicate WTCS/UWS institutions with transfer agreements in Information Technology (IT).

* Overall Total includes all WTCS Information Technology (IT) students who enrolled in the UWS; Major-Specific Total includes only WTCS IT students enrolled in UWS Business or Math, Computer & Information Sciences majors.

Appendix O
WTCS/UWS Program-to Program Transfer Agreements
for WTCS Information Technology (IT) Programs

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Blackhawk | | C1 | | | | | | C3 | | | | | | |
| Chippewa Valley | | C1 | | | | | | | | | C5 | | | |
| Fox Valley | | C1 | | | | | | C3 | | | C5 | | | |
| Gateway | | C1 | | | | | | | | | | | | |
| Lakeshore | | C1 | | | | | | | | | | | | |
| Madison | | C1 | | | | | | | | | | | | |
| Mid-State | | C1 | | | | | | | | | | | | |
| Milwaukee | | C1 | | | | | | | | | | | | |
| Moraine Park | | C1 | | | | | | | | | | | | |
| Nicolet | | C1 | | | | | | | | | | | | |
| Northcentral | | C1 | | | | | | | | | C5 | | | |
| Northeast WI | | C1 | | | | | | | | | | | | |
| Southwest WI | | C1 | | | | | | C3 | | | | | | |
| Waukesha | | C1 | | | | | | | | | | | | |
| Western | | C1 | | | C2 | | | C3 | | | C5 | | | |
| WI Indianhead | | C1 | | | | | | | C4 | | | | | |

C1 = WTCS Industrial Occupations and Certain Applied Associate Degrees (Including IT Programs) to UW-Milwaukee Information Resources (2001, 2009)

C2 = WTCS Information Technology (IT) to UW-La Crosse Information Systems (2010)

C3 = WTCS Information Technology (IT) to UW-Platteville Business (2001, 2003), Agriculture (2002) & Computer Info Systems (2003)

C4 = WTCS Information Technology (IT) to UW-River Falls Computer Information Systems & Business (reviewed 2010)

C5= WTCS Information Technology (IT) to UW-Stout Computer Information Systems & Information Sciences (2006)

Note: In addition to program-to-program agreements, UW institutions may also transfer specific WTCS information technology courses regardless of the student's program or major.

Appendix P
WTCS/UWS Assessment Cohorts
Students in WTCS Marketing Programs
Enrollment by WTCS Institution and UWS Institution

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC | TOTAL |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Blackhawk | | 5 | | | | 2 | | 3 | | | 3 | 1 | 11 | 26 | 51 |
| Chippewa Valley | 1 | 5 | 87 | 1 | | | | 3 | 9 | 4 | 203 | 4 | | 10 | 327 |
| Fox Valley | | 13 | 2 | 10 | | 88 | 2 | 5 | | 8 | 34 | 1 | 1 | 55 | 219 |
| Gateway | | 18 | | 1 | 2 | 4 | 116 | 2 | 1 | 1 | 7 | | 23 | 7 | 182 |
| Lakeshore | 1 | 3 | | 3 | | 6 | | | | 3 | 11 | | 1 | 61 | 89 |
| Madison | 30 | 20 | 2 | 3 | 6 | 8 | 1 | 19 | 1 | 5 | 23 | | 28 | 24 | 170 |
| Mid-State | | 1 | 2 | | | 2 | 1 | | 1 | 37 | 2 | 1 | | 10 | 57 |
| Milwaukee | 1 | 88 | | | 2 | 8 | 9 | 3 | | 2 | 6 | 1 | 4 | 13 | 137 |
| Moraine Park | 1 | 3 | | 1 | 1 | 11 | | 2 | | | 4 | | 2 | 47 | 72 |
| Nicolet | | 1 | 1 | | | | | 1 | | 2 | | 2 | | 1 | 8 |
| Northcentral | | 3 | 1 | 3 | 1 | 5 | 1 | 1 | 1 | 22 | 32 | 2 | | 43 | 115 |
| Northeast WI | 1 | 20 | 1 | 146 | 1 | 23 | 2 | 1 | 1 | 8 | 23 | 1 | | 15 | 243 |
| Southwest WI | | | | | | | | 15 | | | 2 | | | 4 | 21 |
| Waukesha | 2 | 51 | 1 | 1 | | 8 | 2 | 1 | 1 | 2 | 8 | | 12 | 69 | 158 |
| Western | 4 | 8 | 1 | 5 | 217 | 3 | 2 | 7 | 3 | 7 | 41 | 3 | 2 | 18 | 321 |
| WI Indianhead | | 1 | 3 | 1 | | | | | 13 | 1 | 26 | 35 | 1 | 20 | 101 |
| * Overall Total | 41 | 240 | 101 | 175 | 230 | 168 | 136 | 63 | 31 | 102 | 425 | 51 | 85 | 423 | 2,271 |
| * Major-Specific Total | 2 | 80 | 26 | 9 | 55 | 51 | 42 | 35 | 4 | 19 | 334 | 21 | 44 | | 722 |

Note: Shaded areas indicate UWS/WTCS institutions with transfer agreements in marketing.

* Overall Total includes all WTCS Marketing students who enrolled in the UWS; Major-Specific Total includes only WTCS Marketing students enrolled in UWS Business or Marketing Education majors.

Appendix Q
WTCS/UWS Program-to Program Transfer Agreements
for WTCS Marketing Programs

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Blackhawk | | | | | | | | M2 | | | | | | |
| Chippewa Valley | | | | | | | | M2 | | | M3 | | | |
| Fox Valley | | | | | | | | M2 | | | M3 | | | |
| Gateway | | | | | | | | | | | | | | |
| Lakeshore | | | | | | | | | | | | | | |
| Madison | | | | | | | | | | | | | | |
| Mid-State | | | | | | | | | | | | | | |
| Milwaukee | | | | | | | | | | | | | | |
| Moraine Park | | | | | | | | | | | | | | |
| Nicolet | | | | | | | | | | | | | | |
| Northcentral | | | | | | | | | | | M3 | | | |
| Northeast WI | | | | | | | | | | | | | | |
| Southwest WI | | | | | | | | | | | | | | |
| Waukesha | | | | | | | | M2 | | | | | | |
| Western | | | | | M1 | | | M2 | | | M3 | | | |
| WI Indianhead | | | | | | | | | | | | | | |

M1 = WTCS Marketing to UW-La Crosse Business Administration (2010)

M2 = WTCS Marketing to UW-Platteville Business (2000, 2001) & Agriculture (2002)

M3 = WTCS Marketing to UW-Stout Business (2001-2007) & Marketing (2001-2006)

Note: In addition to program-to-program agreements, UW institutions may also transfer specific WTCS marketing courses regardless of the student's program or major.

Appendix R
WTCS/UWS Assessment Cohorts
Students in WTCS Criminal Justice Programs
Enrollment by WTCS Institution and UWS Institution

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC | TOTAL |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Blackhawk | 1 | 2 | | 2 | | 3 | 4 | 6 | | 1 | 1 | | 23 | 51 | 94 |
| Chippewa Valley | | 2 | 49 | 1 | 3 | 2 | 1 | 3 | 9 | 2 | 83 | 7 | 1 | 15 | 178 |
| Fox Valley | 1 | 9 | 1 | 17 | 1 | 82 | 1 | 9 | 2 | 9 | 4 | 1 | 4 | 58 | 199 |
| Gateway | 1 | 23 | | | | 7 | 135 | 6 | | 1 | 2 | | 19 | 8 | 202 |
| Lakeshore | | 3 | | 1 | 1 | 6 | | 2 | | | 1 | | | 29 | 43 |
| Madison | 15 | 23 | 2 | 1 | 6 | 7 | 3 | 30 | | 11 | 3 | 4 | 27 | 26 | 158 |
| Mid-State | | 3 | 1 | 1 | | 4 | | 1 | | 28 | 7 | | | 11 | 56 |
| Milwaukee | 2 | 237 | | 1 | 1 | 7 | 20 | 3 | | 3 | | 1 | 5 | 13 | 293 |
| Moraine Park | | 1 | | | | 16 | | 1 | | 1 | 1 | | 1 | 35 | 56 |
| Nicolet | | 4 | 6 | 3 | | 6 | 1 | 4 | 1 | 4 | | 7 | | 7 | 43 |
| Northcentral | 1 | 1 | 3 | 2 | 1 | 7 | 1 | 4 | 1 | 10 | 1 | | 1 | 40 | 73 |
| Northeast WI | | 14 | 1 | 134 | 1 | 25 | 4 | 7 | | 7 | 1 | | | 30 | 224 |
| Southwest WI | | | | | 1 | 2 | | 20 | | | | | | 4 | 27 |
| Waukesha | | 74 | 1 | | 1 | 5 | 6 | 1 | 1 | 1 | 2 | | 17 | 63 | 172 |
| Western | | 1 | 3 | 1 | 42 | 2 | 2 | 9 | | 3 | 5 | 1 | | 2 | 71 |
| WI Indianhead | | | 4 | | | 1 | | 1 | 3 | | 18 | 31 | | 20 | 78 |
| * Overall Total | 21 | 397 | 71 | 164 | 58 | 182 | 178 | 107 | 17 | 81 | 129 | 52 | 98 | 412 | 1,967 |
| * Major-Specific Total | 2 | 161 | 31 | 9 | 1 | 94 | 58 | 57 | 1 | 1 | | 9 | 8 | | 432 |

Note: Shaded areas indicate WTCS/UWS institutions with transfer agreements in criminal justice.

Overall Total includes all WTCS Criminal Justice students who enrolled in the UWS; Major-Specific Total includes only WTCS Criminal Justice students enrolled in UWS Public Administration/Legal Services majors.

Appendix S
WTCS/UWS Program-to Program Transfer Agreements
for WTCS Criminal Justice Programs

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Blackhawk | | | | | | P2 | | P4 | | P5 | | | P7 | |
| Chippewa Valley | | | | | | | | | | P5 | P6 | | | |
| Fox Valley | | | | | | P2 | | P4 | | P5 | | | | |
| Gateway | | | | | | P2 | P3 | P4 | | P5 | | | P7 | |
| Lakeshore | | | | | | P2 | | P4 | | P5 | | | | |
| Madison | | P1 | | | | P2 | | P4 | | P5 | | | P7 | |
| Mid-State | | | | | | P2 | | P4 | | P5 | | | | |
| Milwaukee | | P1 | | | | | | P4 | | P5 | | | P7 | |
| Moraine Park | | | | | | P2 | | | | P5 | | | | |
| Nicolet | | | | | | P2 | | | | P5 | | | | |
| Northcentral | | | | | | P2 | | P4 | | P5 | | | | |
| Northeast WI | | | | | | P2 | | | | P5 | | | | |
| Southwest WI | | | | | | P2 | | | | P5 | | | | |
| Waukesha | | P1 | | | | P2 | | P4 | | P5 | | | P7 | |
| Western | | | | | | P2 | | | | P5 | | | | |
| WI Indianhead | | | | | | | | | | P5 | | | | |

P1 = WTCS Criminal Justice to UW-Milwaukee Criminal Justice (2003-2009)

P2 = WTCS Criminal Justice to UW-Oshkosh Criminal Justice (2002) & Human Resources/Services (2010)

P3 = WTCS Criminal Justice to UW-Parkside Criminal Justice (2000, 2002)

P4 = WTCS Criminal Justice to UW-Platteville Criminal Justice (2006, 2007)

P5 = WTCS Criminal Justice to UW-Stevens Point Environmental Law Enforcement (2007)

P6 = WTCS Criminal Justice to UW-Stout Voc-Rehab (Criminal Justice - Concentration) (2002)

P7 = WTCS Criminal Justice to UW-Whitewater Sociology - Criminal Justice Emphasis (2005, 2010)

Note: In addition to program-to-program agreements, UW institutions may also transfer specific WTCS criminal justice courses regardless of the student's program or major.

Appendix T
WTCS/UWS Assessment Cohorts
Students in WTCS Accounting Programs
Enrollment by WTCS Institution and UWS Institution

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC | TOTAL |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Blackhawk | 1 | 2 | | | | | 1 | 5 | | 1 | | 1 | 8 | 32 | 51 |
| Chippewa Valley | | | 68 | 1 | 2 | 1 | 1 | 3 | 10 | 3 | 40 | 1 | | 8 | 138 |
| Fox Valley | | 2 | 1 | 5 | 2 | 39 | 1 | 3 | | 6 | 4 | 2 | 3 | 31 | 99 |
| Gateway | | 10 | | | 1 | 2 | 100 | 3 | | 1 | 1 | | 29 | 7 | 154 |
| Lakeshore | | 2 | | 3 | | 4 | | 1 | | 2 | 2 | 1 | 1 | 36 | 52 |
| Madison | 35 | 9 | 6 | 2 | 4 | 9 | 1 | 28 | | 4 | 4 | 1 | 42 | 39 | 184 |
| Mid-State | | | 1 | 2 | 1 | | | 5 | | 43 | 1 | | 1 | 12 | 66 |
| Milwaukee | 1 | 179 | | 5 | | 3 | 6 | 3 | | 3 | 1 | | 6 | 13 | 220 |
| Moraine Park | | 5 | | 3 | 1 | 15 | 1 | 2 | | 1 | 1 | 1 | 6 | 54 | 90 |
| Nicolet | | 1 | 1 | 8 | | 1 | | 4 | | 3 | | 6 | 1 | 2 | 27 |
| Northcentral | | | 2 | 3 | 1 | 4 | 1 | 6 | | 12 | 5 | 3 | 2 | 41 | 80 |
| Northeast WI | 1 | 4 | 1 | 81 | | 4 | 1 | 1 | 1 | 4 | 4 | 1 | 4 | 40 | 147 |
| Southwest WI | | | 1 | | 2 | | | 12 | | | | | | 6 | 21 |
| Waukesha | | 27 | | | | 1 | 2 | 1 | | | | | 12 | 34 | 77 |
| Western | 1 | 1 | 3 | 1 | 62 | 2 | | 6 | 3 | 2 | 12 | 2 | 7 | 11 | 113 |
| WI Indianhead | | | 1 | | 1 | | | 5 | 17 | 2 | 13 | 42 | | 17 | 98 |
| * Overall Total | 39 | 242 | 85 | 114 | 77 | 85 | 115 | 88 | 31 | 87 | 88 | 61 | 122 | 383 | 1,617 |
| * Major-Specific Total | 7 | 110 | 51 | 18 | 39 | 33 | 52 | 71 | 17 | 25 | 60 | 26 | 76 | | 585 |

Note: Shaded areas indicate WTCS/UWS institutions with transfer agreements in accounting.

Overall Total includes all WTCS Accounting students who enrolled in the UWS; Major-Specific Total includes only WTCS Accounting students enrolled in UWS Business majors.

Appendix U
WTCS/UWS Program-to Program Transfer Agreements
for WTCS Accounting Programs

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Blackhawk | | | | | | | | A2 | | | | | | |
| Chippewa Valley | | | | | | | | A2 | | | A4 | | | |
| Fox Valley | | | | | | | | A2 | | | | | | |
| Gateway | | | | | | | | | | | | | | |
| Lakeshore | | | | | | | | | | | | | | |
| Madison | | | | | | | | | | | | | | |
| Mid-State | | | | | | | | | | | | | | |
| Milwaukee | | | | | | | | | | | | | | |
| Moraine Park | | | | | | | | | | | | | | |
| Nicolet | | | | | | | | | | | | | | |
| Northcentral | | | | | | | | | | | | | | |
| Northeast WI | | | | | | | | | | | | | | |
| Southwest WI | | | | | | | | | | | | | | |
| Waukesha | | | | | | | | A2 | | | | | | |
| Western | | | | | A1 | | | A2 | | | | | | |
| WI Indianhead | | | | | | | | | A3 | | | A5 | | |

A1 = WTCS Accounting to UW-La Crosse Business (2010)

A2 = WTCS Accounting to UW-Platteville Business (2000-2003) & Agriculture (2002)

A3 = WTCS Accounting to UW-River Falls Business & Computer Information System (reviewed 2010)

A4 = WTCS Accounting to UW-Stout Business & Marketing (2001)

A5 = WTCS Accounting to UW-Superior Business (2006, 2007)

Note: In addition to program-to-program agreements, UW institutions may also transfer specific WTCS accounting courses regardless of the student's program or major.

Appendix V
WTCS/UWS Assessment Cohorts
Students in WTCS Engineering Technology Programs
Enrollment by WTCS Institution and UWS Institution

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC | TOTAL |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Blackhawk | | 2 | | | 1 | 1 | | 3 | | | 4 | | 7 | 52 | 70 |
| Chippewa Valley | | 3 | 48 | 1 | 2 | | | 3 | 4 | | 107 | | | 5 | 173 |
| Fox Valley | 2 | 8 | 1 | 8 | 2 | 39 | 1 | 7 | | 8 | 62 | 1 | | 122 | 261 |
| Gateway | 1 | 20 | | | 1 | | 91 | 3 | 1 | 1 | 13 | | 11 | 12 | 154 |
| Lakeshore | 1 | 3 | 3 | 2 | | 4 | | 1 | | 1 | 12 | | | 61 | 88 |
| Madison | 52 | 36 | 4 | 4 | 6 | 4 | 1 | 24 | 1 | 5 | 24 | 3 | 14 | 41 | 219 |
| Mid-State | 1 | 7 | 1 | 1 | 2 | 5 | 1 | 6 | 2 | 43 | 10 | | | 32 | 111 |
| Milwaukee | 8 | 251 | 1 | 3 | 3 | 6 | 18 | 4 | | 5 | 21 | 2 | 4 | 37 | 363 |
| Moraine Park | 4 | 18 | 1 | 2 | 1 | 18 | 2 | 12 | 1 | 1 | 24 | | | 112 | 196 |
| Nicolet | | | | 2 | 1 | | | 1 | 1 | | | | | | 5 |
| Northcentral | 2 | 14 | 4 | 2 | 3 | 9 | 4 | 1 | 2 | 29 | 63 | 1 | | 116 | 250 |
| Northeast WI | 2 | 17 | 2 | 61 | | 18 | | 7 | 2 | 13 | 42 | | 1 | 47 | 212 |
| Southwest WI | 3 | 1 | | | 1 | | | 26 | | | 2 | | 1 | 12 | 46 |
| Waukesha | 4 | 111 | 1 | 4 | | 4 | 3 | 5 | | 1 | 22 | | 5 | 92 | 252 |
| Western | 1 | 6 | 2 | | 51 | | | 9 | | 1 | 15 | | 2 | 11 | 98 |
| WI Indianhead | | 4 | 3 | | | 1 | 1 | 1 | 10 | 1 | 47 | 10 | | 20 | 98 |
| * Overall Total | 81 | 501 | 71 | 90 | 74 | 109 | 122 | 113 | 24 | 109 | 468 | 17 | 45 | 772 | 2,596 |
| * Major-Specific Total | 19 | 189 | | | | | 1 | 46 | | 2 | 147 | | 1 | | 405 |

Note: Shaded areas indicate WTCS/UWS institutions with transfer agreements in engineering/engineering technology.

Overall Total includes all WTCS Engineering Technology students who enrolled in the UWS; Major-Specific Total includes only WTCS Engineering Technology students enrolled in UWS Engineering & Architecture majors.

Appendix W
WTCS/UWS Program-to Program Transfer Agreements
for WTCS Engineering Technology Programs

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Blackhawk | | | | | | | | | | | | | | |
| Chippewa Valley | | | | | | | | | | | T5 | | | |
| Fox Valley | | | | | | | | | | | T5 | | | |
| Gateway | | | | | | | T3 | T4 | | | T5 | | | |
| Lakeshore | | | | | | | | | | | | | | |
| Madison | | | | | | | | | | | | | | |
| Mid-State | | | | | | | | | | | | | | |
| Milwaukee | | | | | | | | | | | T5 | | | |
| Moraine Park | | | | | | | | T4 | | | | | | |
| Nicolet | | | | | | | | | | | | | | |
| Northcentral | | | | | | | | | | | T5 | | | |
| Northeast WI | | | | | | | | | | | T5 | | | |
| Southwest WI | | | | | | | | | | | | | | |
| Waukesha | | T1 | | | | | | T4 | | | | | | |
| Western | | | | | T2 | | | T4 | | | | | | |
| WI Indianhead | | | | | | | | | | | | | | |

T1 = WTCS Industrial Occupations/Engineering Technology to UW-Milwaukee Engineering/Mechanical & Electrical Engineering (2001, 2009)

T2 = WTCS Engineering Technology to UW-La Crosse Computer Science (Engineering Technology Emphasis) (2010)

T3= WTCS Engineering Technology to UW-Parkside Geoscience (2010)

T4 = WTCS Electronic Technology/Mechanical Design/Fluid Power Technology to UW-Platteville Technology Education (2000, 2003)

T5 = WTCS Engineering Technology /Electronic Technology/ Mechanical Design/ Architecture/Technical Studies to UW-Stout Engineering Technology (2007, 2008) & Construction (2002-2009), Manufacturing Engineering (2008) & Industrial Technology (2005)

Note: In addition to program-to-program agreements, UW institutions may also transfer specific WTCS engineering technology courses regardless of the student's program or major.

Appendix X
WTCS/UWS Assessment Cohorts
Students in WTCS Liberal Arts Program
Enrollment by WTCS Institution and UWS Institution

| | MSN | MIL | EAU | GBY | LAC | OSH | PKS | PLT | RVF | STP | STO | SUP | WTW | UWC | TOTAL |
|-----------------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-------|
| Chippewa Valley | | 3 | 122 | | 5 | | 1 | | 25 | 2 | 51 | 2 | | 6 | 217 |
| Madison | 2,725 | 610 | 149 | 60 | 204 | 188 | 39 | 263 | 40 | 240 | 109 | 29 | 856 | 383 | 5,895 |
| Milwaukee | 60 | 2,321 | 10 | 20 | 29 | 76 | 129 | 25 | 4 | 43 | 31 | 7 | 137 | 193 | 3,085 |
| Nicolet | 52 | 43 | 56 | 54 | 33 | 56 | 4 | 17 | 21 | 208 | 72 | 53 | 21 | 64 | 754 |
| Western | | | 3 | | 16 | 1 | | | | 1 | | | | 3 | 24 |
| Overall Total | 2,837 | 2,977 | 340 | 134 | 287 | 321 | 173 | 305 | 90 | 494 | 263 | 91 | 1,014 | 649 | 9,975 |

END NOTES

¹ The agreement allowed for the exchange of student and other records necessary for the evaluation of student transfers from the WTCS to the UWS. The data exchange set a model for cooperation between the two Systems and was key to the joint study. To date, the WTCS has provided the UWS with records for students who were enrolled in applied associate degree, liberal arts, and/or technical diploma courses at WTCS institutions in fiscal years 1994-95 through 2010-11. The data included demographic, program, and course records for each student. The WTCS data was matched to the UWS enrollment database to track the students through their UWS experience.

² The WTCS/UWS Assessment Cohort included WTCS students who enrolled in FTE-generating courses at the applied associate degree, liberal arts, or technical diploma level in fiscal years 1994-95 through 2010-11. It excluded students who enrolled in WTCS courses as part of their high school curriculum ("high school specials"). Within the UWS, the cohort included only students who enrolled at the undergraduate level, excluding high school specials. Students were also excluded from the study if they attended a UW institution first and later enrolled at a WTCS institution, and if this UWS enrollment was in the 1989-90 academic year or later.

³ Student classification is based on the total number of degree credits which may have been accumulated from one or more transfer institutions. In general, freshman students have 0-29 degree credits, sophomore students have between 30 and 59 degree credits, and upperclassmen have 60 or more degree credits.

⁴ Students were grouped into an academic year cohort based on their initial UWS enrollment year, combining summer, fall, winter, and spring term enrollees. They were counted as retained to a second year if they enrolled in any term in the following year or received a bachelor's degree in either their first or second enrollment year.

⁵ Classification of Instructional Programs (CIP) is the U.S. Department of Education's standard educational program classification system. Postsecondary institutions assign each of their programs to a CIP code for federal reporting purposes. The first two digits of the six digit CIP code designate a discipline area. For this report CIP discipline areas were combined into program groups as follows:

| Group | Program/Major Group Title | CIP Areas in Group |
|-------|----------------------------------|---|
| 1 | Ag & Nat Resources | 01 - Agriculture, Agriculture Operations, and Related Sciences 03 - Natural Resources and Conservation |
| 2 | Biological/Physical Sciences | 26 - Biological and Biomedical Sciences 40 - Physical Sciences 41 - Science Technologies/Technicians |
| 3 | Business | 52 - Business, Management, Marketing, and Related Support Services |
| 4 | Communications/Arts | 09 - Communications, Journalism, and Related Programs 10 - Communications Technologies/Technicians and Support Services 50 - Visual and Performing Arts |
| 5 | Education | 13 - Education |
| 6 | Engineering & Architecture | 14 - Engineering 15 - Engineering Technologies/Technicians 04 - Architecture and Related Services |
| 7 | Health-Related Professions | 51 - Health Professions and Related Clinical Sciences 31 - Parks, Recreation, Leisure and Fitness Studies |
| 8 | Home Economics/Personal Services | 19 - Family and Consumer Sciences/Human Sciences 12 - Personal & Culinary Services |
| 9 | Humanities/Liberal Arts | 05 - Area, Ethnic, Cultural and Gender Studies 16 - Foreign Languages, Literatures, and Linguistics 23 - English Language and Literature/Letters 24 - Liberal Arts and Sciences, General Studies, and Humanities 30 - Multi/Interdisciplinary Studies 36 - Leisure and Recreational Activities (36.0113 Computer Simulation & Gaming added in 2011) 38 - Philosophy and Religious Studies 39 - Theology and Religious Vocations |

| Group | Program/Major Group Title | CIP Areas in Group |
|-------|--------------------------------|---|
| 10 | Math, Computer & Info Sciences | 11 - Computer and Information Sciences and Support Services |
| | | 25 - Library Science |
| | | 27 - Mathematics and Statistics |
| 11 | Public Admin/Legal Services | 22 - Legal Professions and Studies |
| | | 43 - Security and Protective Services |
| | | 44 - Public Administration and Social Service Professions |
| | | 49 - Transportation and Materials Moving |
| | | 29 - Military Technologies |
| 12 | Social Sciences | 42 - Psychology |
| | | 45 - Social Sciences |
| | | 54 - History |
| 13 | Trades/Technical | 46 - Construction Trades |
| | | 47 - Mechanic and Repair Technologies/Technicians |
| | | 48 - Precision Production Trades |

⁶ The table below lists: (1) WTCS programs and their associated program codes; (2) UWS majors and their associated major codes; and (3) UWS majors and CIP groups that were used for program-specific section of the report and retention/graduation in related UWS majors. See definition for CIP-Classification of Instructional Programs, in End Note 5.

| WTCS Program | WTCS Program Code or CIP Code | UWS Major | UWS Major or CIP Code | UWS Major and CIP Group |
|-----------------------------|--|--|---|--|
| Early Childhood Education | 103071 | Elementary Education | 08021 | CIP 05 08021/08231 |
| | | Early Childhood Education | 08231 | |
| Information Technology (IT) | 101070 through 101079 102012 & 102065 101521 through 101531 101501 through 101505 101541 through 101548 101352 through 101353 | Computer Science/Information Systems | 07011 & 07031 07021 through 07024 07071 through 07091 | CIP 03/10 07011 & 07031 07021 through 07024 07071 through 07091 |
| Marketing | 101043 101046 101048 101111 | Marketing | 05091 08381 | CIP 03 05091/08381 05011 05061 & 05062 05069 |
| | | Business Administration /Management | 05011 05061 & 05062 05069 | |
| Nursing | 105101 & 105431 | Nursing | 12031 12032 | CIP 07 12031/12032 |
| Criminal Justice | 105041 & 105042 | Criminal Justice | 21051 | CIP 11 21051 |
| Engineering Technology | All Applied Associate Degree Program Codes under CIP 14 & 15 | Engineering/Engineering Technology Management/Construction | CIP 14 & 15 09250 & 09601 | CIP 06 09250 & 09601 |
| Accounting | 101011 | Accounting | 05021 | CIP 03 05021 |
| | | Business | All Major Codes under CIP 52 | |
| Liberal Arts | 208001 & 208002 | | | |