

(78% vs. 82%), third (65% vs.69%), and fourth (58% vs. 62%) years (.

For the purposes of this study, dropouts were defined as students who did not graduate from CSU San Bernardino by the end of their sixth year, did not graduate in the summer term directly following their sixth year, and were not retained at the start of their seventh year. Of the 4,725 first-time freshman students from 2003 to 2005 Fall quarter cohorts, 48% dropped-out from CSU San Bernardino.

Analyses were conducted to identify significant differences between remediation status and dropout rates. Students requiring English remediation had higher dropout rates than students not requiring English remediation (50% vs. 42%;). Similarly, students requiring math remediation had higher dropout rates than students not requiring math remediation (51% vs. 42%;). Finally, students requiring both English and math remediation had higher dropout rates than students not requiring remediation in both English and math (52% vs. 43%;). In general, as the number of remediation quarters increased, dropout rates tended to increase (Table 1, pg. 10).

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Figure 9.

*Significant at the $p < .05$ level.

Our study supports the relationship between remediation status and retention, graduation, and dropout rates. Students requiring remediation in English were less likely to be retained in their fourth year, less likely to graduate within four, five, or six years, and more likely to dropout than students not requiring English remediation (Table 2, pg. 10). Students requiring math remediation were less likely to be retained in their second, third, and fourth year, less likely to graduate within four, five, or six years, and more likely to dropout than students not requiring math remediation (Table 3, pg.8). Additionally, students requiring both English and math remediation were less likely to be retained in their second, third, and fourth year, less likely to graduate within four, five, or six years, and more likely to dropout than students not requiring both English and math remediation. Overall, students who required remediation tended to have lower retention rates, lower graduation rates, and higher dropout rates (Table 1, pg. 10).

This study also suggests a marked distinction between students that required two quarters of math remediation versus those that required three quarters of math remediation. Specifically, results showed a stark drop in second year retention (-12%), six year graduation rates (-15%), and an increase in dropout rates (+14%) between students who required two v5())JTBT1 0 0 75()M show

One prominent limitation of this study is the lack of student tracking to identify those leaving CSU San Bernardino in order to transfer to another college or university. According to the Fall 2012 first-time freshmen SOAR survey, of the 1,850 respondents, 11% intend to transfer to another four year school and 10% are unsure whether they intend to transfer or graduate from CSUSB.

Recommendations based on this study suggest the importance of connecting with students4(o)- ,4 Tm[)]TJ

Detailed analyses were conducted to identify significant differences between EPT categories. Students who were exempt, passed, or required one or two quarters of remediation according to their English Proficiency Test (EPT) were included in the analyses.

Results showed that students that passed, or required one quarter of English remediation, had higher second year retention rates than students requiring two quarters of English remediation.

Students who were exempt from English remediation had higher four, five, and six year graduation rates than students who required one or two quarters of English remediation, and higher four year graduation rates than those that passed. Students who passed had higher four and five year graduation rates than students requiring one or two quarters of English remediation, and higher six year graduation rates than those that required two quarters of remediation. Students who needed one quarter of English remediation had higher four, five, and six year graduation rates than students who required two quarters of English remediation.

Students requiring one quarter of English remediation had a higher dropout rate than students who were exempt. Additionally, students requiring two quarters of remediation had a higher dropout rate than students who were exempt, passed, or required one quarter of English remediation.

Detailed analyses were conducted to identify significant differences between ELM categories. Students who were exempt, passed, or required one or two quarters of remediation according to their Entry Level Mathematics (ELM) test were included in the analyses.

Results showed that exempt students had higher second, third, and fourth year retention rates than students requiring two or three quarters of math remediation. Additionally, students who passed, or required

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