

**Table 4: Significant Program Variables by Professional Certification**

<b>Professional Certification</b>	<b>Citation</b>	<b>Variables with Positive Relationship</b>	<b>Variables with Negative Relationship</b>
ASTD	Kwon, Wadholm & Carmody (2014).	+ Competency model aligned with certification exam, weighting; + Recall vs. higher ordered thinking	
Athletic Trainer	Esparza (2012).	+ Admission GPA	
Health Information	Dolezel & McLeod (2017).	+ Online program delivery	
Health Information	Jenkins, (2013).	+ Mock exam	
Human Movement	Cripps, Stiltner, Walters, Fullenkamp, & Laurent (2018).		– Affiliation with medical school; – Carnegie classification
Master’s in Athletic Training	Bruce, Crawford, Wilkerson, Rausch, Dale & Harris (2016).	+ Undergraduate GPA of = or greater than 3.18; + GRE qualitative score of greater than or = to 141.5; + Calculus completed as undergraduate	
Nursing RN	Kidder, Bost, Flavin & Trofino (2015).	+ Results on HESI test; + Results on Assess Tech test	
Occupational Therapy Program	Novalis, Cyranowski & Dolhi (2017).	+ Program GPA; + Self-Evaluation	– Academic fieldwork hours; – Educational evaluation
Physician-Anesthesiology	Schmitz & Bailey (2013).	+ In-training exams in 4 <sup>th</sup> year just prior to taking certification exam	
Prosthetics	Es (2014).		– Carnegie ranking of school
Residency Program	Atsawarungrangkit (2015).	+ Formal mentoring program; + On-site childcare	

Respiratory Therapy Shaw, (2012).  
Program

- + Public;
  - + Not-for profit;
  - + Screening for entry;
  - + Number of full- time faculty;
  - + Faculty degrees
  - Utilized pedagogy;
  - Low teacher to student ratio;
  - Lab, simulation, and clinical practical hours;
  - Hiring practices;
  - Assessment of curriculum for alignment with exam
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Note. + or - indicates a statistically significant relationship, positive or negative. Athletic training director program tested 47 different variables.