

Example: Proposed 685.102 language impact on Missouri (Submitted by Bennett Boggs)*

Good morning-

The information below is offered as a quick example of ED’s proposed “Professional Student” definition’s impact on one state’s workforce. I offer Missouri’s data as a midwestern state with two significant urban centers and large rural regions.

Summary

To summarize, using existing data gathered under existing standards and applying the proposed definition:

- There were 5,685 doctoral completions at Missouri institutions in 2023-2024. Of those, 3,796, or 67%, were classified as Doctor's degree - professional practice, which are the best approximation of the “professional degrees”.
- Of the 3,796 professional practice completions, 2,819, or 74%, were under the Proposed 4-digit CIP codes (highlighted in yellow below).
- The overall result is that 49.5% of all doctorates in Missouri today would qualify as “professional” – a nearly 50-50 split with “academic/research/scholarship” doctorates.
- Two in-demand CIP codes of note for Missouri that are not included in the proposed list are 51.23 Rehabilitation and Therapeutic Professions and 51.38 Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing, which had a combined 747 completions in 2023-2024.

Here are the details. I hope this aids our deliberations.

Details

Proposed 4-digit CIP codes

01.80	Veterinary Medicine.
22.01	Law.
39.06	Theological and Ministerial Studies.
42.28	Clinical, Counseling and Applied Psychology.
51.01	Chiropractic.
51.04	Dentistry.
51.12	Medicine.
51.17	Optometry.
51.20	Pharmacy, Pharmaceutical Sciences, and Administration.

Impact of Proposed CIP Codes in Missouri

There were 5,685 doctoral completions at Missouri institutions in 2023-2024. Of those, 3,796, or 67%, were classified as Doctor's degree - professional practice, which are the best approximation of the “professional degrees”.

	2023-2024 Doctoral Completions at Missouri Institutions
Research/Scholarship	1,776
Professional Practice	3,796
Other	113
TOTAL	5,685

Of the 3,796 professional practice completions, 2,819, or 74%, were under the Proposed 4-digit CIP codes (highlighted in yellow below).

4-Digit CIP	CIP Description	2023-2024 Completions at Missouri Institutions
01.80	Agricultural Public Services.	120
13.01	Education, General.	9
22.01	Law.	729
30.17	Behavioral Sciences.	51
39.03	Missions/Missionary Studies and Missiology.	0
39.04	Religious Education.	5
39.06	Theological and Ministerial Studies.	75
39.99	Theological and Ministerial Studies.	7
42.28	Clinical, Counseling and Applied Psychology.	12
51.01	Chiropractic.	237
51.02	Communication Disorders Sciences and Services.	38
51.04	Dentistry.	247
51.07	Health and Medical Administrative Services.	0
51.12	Medicine.	1,244
51.17	Optometry.	41
51.20	Pharmacy, Pharmaceutical Sciences, and Administration.	234
51.23	Rehabilitation and Therapeutic Professions.	472
51.38	Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing.	275
	TOTAL	3,796

Two CIP codes of note for Missouri that are not included in the proposed list are 51.23 Rehabilitation and Therapeutic Professions and 51.38 Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing, which had a combined 747 completions in 2023-2024.

CIP 51.23

CIP code 51.23 Rehabilitation and Therapeutic Professions crosswalks to the occupation of Physical Therapist, which is one of the most in-demand doctoral level occupations in Missouri, projected to grow by 20% by 2032.

Missouri institutions with professional practice completions in 51.23 in 2023-2024:

Washington University in St Louis	100
Rockhurst University	96
A T Still University of Health Sciences	78
Southwest Baptist University	68
University of Missouri-Columbia	59
Maryville University of Saint Louis	40
Missouri State University-Springfield	31

CIP 51.38

CIP code 51.38 Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing most closely aligns with the occupation of Nurse Practitioners. While this occupation most typically matches at the master’s degree level, data from the U.S. Bureau of Labor Statistics shows 18% of those working in that occupation have a doctoral degree. Nurse Practitioners are also filling a critical role in the shortage of healthcare professionals – particularly doctors – in rural areas. Nurse Practitioners in Missouri are projected to grow by 42% by 2032.

Missouri institutions conferring the most professional practice completions in 51.38 in 2023-2024:

Maryville University of Saint Louis	85
Missouri State University-Springfield	76
University of Missouri-Columbia	41
University of Missouri-Kansas City	36
Webster University	23
Barnes-Jewish College Goldfarb School of Nursing	14