

# A New Model for Funding Higher Education in Nevada

The Nevada System of Higher Education (NSHE) appreciates the hard work of the members of the Legislative Committee to Study the Funding of Higher Education (Chapter 375, *Statutes of Nevada 2011*) in helping the System develop a new funding formula that fairly and equitably distributes State funding among Nevada's public higher education institutions. Taking into account the comments from the Committee, the public testimony and the reports of SRI International and the National Governors' Association (NGA), the NSHE believes the summary below captures the deliberations and final decisions of the interim Committee, and strongly supports the new formula that incorporates these concepts.

The model proposed by NSHE and adopted by the Board of Regents in August of 2012 was based upon the belief that a new funding model was required that is equitable to all institutions, simpler and more transparent than the current formula, aligned with the goals of the State, based upon national best practices in higher education financing and the commitment of Nevada to the goals of Complete College America.

The new funding model approved by the Legislative Committee consists of two basic components – a base formula driven by course completions and a performance pool driven by performance metrics that align with the goals of the State. Each is summarized below.

The Base Formula. The base formula allocates state resources to teaching institutions based upon completed courses as measured by student credit hours. Student credit hours are weighted by discipline cluster in an expanded matrix that is cost informed and was independently developed by the National Center for Higher Education Management Systems (NCHEMS). As a result of Committee deliberations, the working definition of completion has evolved to exclude F grades that result from non-attendance, which will be applied prospectively in Fall 2015 (this treatment is consistent with the treatment of completions for veterans by the U.S. Department of Veterans Affairs). Similarly, as a result of the deliberations of the Committee, upper division and graduate courses were given an additional weighting to support the research mission of UNR and UNLV.

Funding is determined by measuring work completed, with funding set-aside to support small community colleges and the operations and maintenance of dedicated research space at UNLV and UNR. A fundamental premise of the new formula remains campus retention of fees and out of state tuition collected without offset to state general fund appropriations. Completions for nonresidents are therefore excluded from the tally of completed student credit hours and are not funded by the state.

The complex set of drivers in the current formula for administrative support, institutional support, libraries, operations and maintenance and the like are compressed into the single driver of work completed measured by weighted student credit hours (WSCH). State support, when combined with student fee revenues generated by an institution, would represent the total funding available to an institution in a given fiscal year. Each institutional President will be responsible for recommending to the Board of Regents for approval the allocation of these resources to the various functional areas (instruction, academic support, student services, etc) within the college or university budget. Institutional Presidents will have flexibility in establishing a budget plan and institutional priorities, but also will be held accountable for final

performance outcomes as measured by student success, increased grant funding, alignment with state goals and the like.

See **Appendix A** for the matrix based on the above principles.

<u>The Performance Pool.</u> A pool of dollars will be distributed to the institutions based on their performance as measured by defined metrics that align with the state's goals of graduating more students in support of Nevada's "new" economy. In addition, the metrics reflect the respective mission of the institutions in the three tiers of the higher education system. Based upon the recommendations of the Committee, this pool will be funded with a "carve out" from current state general fund appropriations in the amount of 5% per year commencing in 2015 until the pool reaches 20% of state general fund appropriations in FY2018.

The Committee recommended metrics for the performance pool that reflect the needs of the state for more graduates, greater alignment with the state's focus on economic development and diversification, and emphasis on success with at risk students. Metrics also reflect the specific missions of the respective campuses – greater research for the universities, transfer for the community colleges, and completion of gateway courses for all colleges. Final determination of the metrics and weights was delegated by the Committee to a task force appointed by the Board of Regents. The status of that work is reflected in Appendix B.

See **Appendix B** for a proposed method of determining institutional points to be used in distribution of performance pool funds.

<u>Summary</u>. This new model will effectively shift the focus of formula funding from inputs (enrollments) to outputs (course completions and performance). It is intended to motivate institutional behavior that will increase degree productivity and contribute to the State's economy, and encourage and reward entrepreneurial actions. Recognizing the public and private benefits of higher education, the proposed formula assumes that the State (in the form of appropriations) and the students (in the form of tuition and fees) each assume a reasonable portion of the total funding for public higher education in Nevada.

Importantly, the NSHE worked to recommend a formula that was equitable and simple. The new formula as summarized above clearly meets that goal. See **Appendix C** for the updated distribution.

<u>Implementation</u>. Implementation of a new formula within existing appropriation levels necessarily triggers reallocation of resources. With the proposed model, the resource reallocation results in significant budget reductions to all northern institutions and calls into question the viability of northern community colleges to continue to serve their respective service areas. As a result, the Committee recommended to the Governor, Board of Regents, and ultimately the 77<sup>th</sup> Session of the Nevada Legislature that general funds in addition to the current budget be appropriated to hold the institutions losing funding harmless for the upcoming biennium.

# **APPENDIX A**

#### NSHE Course Taxonomy Weights by Discipline Clusters

#### COMMUNITY COLLEGES AND STATE COLLEGE

Liberal Arts, Math, Social Science, Lunguages, Other   1.0   2.0   4.0   5.0	Discipline Clusters	Lower Division	Upper Division	Masters	Doctoral
05. Area, Ethnic, Cultural & Gender Studies	Liberal Arts, Math. Social Science, Languages, Other	1.0	2.0	4.0	5.0
0.0				4.0	5.0
19. Family and Consumer Sciences/Human Sciencess   1.0   2.0   4.0   5.0		1.0	2.0	4.0	5.0
19. Family and Consumer Sciences/Human Sciencess   1.0   2.0   4.0   5.0	16. Foreign Languages, Literature and Linguistics	1.0	2.0	4.0	5.0
24. Libóral Arts & Sciencos, General Studies and Humanities 1.0 2.0 4.0 5.0 25. Liboray Science 1.0 2.0 4.0 5.0 27. Mathematics & Statistics 1.0 2.0 4.0 5.0 28. Reserve Officer Training Corps 1.0 2.0 4.0 5.0 29. Military Technologies 1.0 2.0 4.0 5.0 39. Multifundraisciplinary Studies 1.0 2.0 4.0 5.0 38. Philosophy & Religious Studies 1.0 2.0 4.0 5.0 38. Philosophy & Religious Studies 1.0 2.0 4.0 5.0 38. Philosophy & Religious Studies 1.0 2.0 4.0 5.0 45. Social Sciences 1.0 2.0 4.0 5.0 45. Social Sciences 1.0 2.0 4.0 5.0 45. Social Sciences 1.0 2.0 4.0 5.0 45. History 1.0 2.0 4.0 5.0 46. Social Sciences 1.0 2.0 4.0 5.0 47. Philosophy & Religious Studies 1.0 2.0 4.0 5.0 48. Passes Studies 1.0 2.0 4.0 5.0 49. Honoris Curriculum and Other 1.0 2.0 4.0 5.0 50. Easile Stills Cluster 32. Basic Skills 1.5  Business Cluster 1.0 2.0 4.0 6.0 52. Business Unstater 1.0 2.0 4.0 6.0 52. Business Management. Marketing & related support services 1.0 2.0 4.0 6.0 52. Business Management. Marketing & related support services 1.0 2.0 4.0 6.0 52. Business Recreation, Leisure & Fitness Studies 1.5 2.0 2.5 5.0 52 5.0 52 5.0 52 5.0 52 5.0 52 5.0 53 5.0 54 6.0 5.0 5.0 54 7 10 5.0 5.0 55 5.0 5.0 55 5.0 5.0 55 5.0 5.0 55 5.0 5.0 55 5.0 5.0 56 5.0 5.0 57 7 10 5.0 5.0 5.0 58 6.0 5.0 5.0 58 6.0 5.0 5.0 58 6.0 5.0 5.0 5.0 59 7 10 50 50 50 50 50 50 50 50 50 50 50 50 50		1.0	2.0	4.0	5.0
25. Library Science 1.0 2.0 4.0 5.0 2.7 Mathematics & Statistics 1.0 2.0 4.0 5.0 2.8 Reserve Officer Training Corps 1.0 2.0 4.0 5.0 2.8 Millary Technologies 1.0 2.0 4.0 5.0 3.0 Multi/Interdisciplinary Studies 1.0 2.0 4.0 5.0 3.0 Multi/Interdisciplinary Studies 1.0 2.0 4.0 5.0 3.8 Philosophy & Religious Studies 1.0 2.0 4.0 5.0 4.5 5.0 4.0 5.0 5.0 4.0 5.0 5.0 4.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	23. English Language & Literature/Letters	1.0	2.0	4.0	5.0
27. Mathematics & Statistics 28. Reserve Officer Training Corps 29. Military Technologies 1.0 2.0 4.0 5.0 29. Military Technologies 1.0 2.0 4.0 5.0 30. Multifurtedisciplinary Studies 1.0 2.0 4.0 5.0 38. Philosophy & Religious Studies 1.0 2.0 4.0 5.0 38. Philosophy & Religious Studies 1.0 2.0 4.0 5.0 42. Psychology and Applied Psychology 1.0 2.0 4.0 5.0 45. Social Sciences 1.0 2.0 4.0 5.0 45. Social Sciences 1.0 2.0 4.0 5.0 59. Honors Curriculum and Other 1.0 2.0 4.0 5.0 59. Honors Curriculum and Other 1.0 2.0 4.0 5.0 50. Basic Skills 1.5  Business Cluster 32. Basic Skills 1.5  Business Cluster 1.0 2.0 4.0 6.0 52. Business Management, Marketing & related support services 1.0 2.0 4.0 6.0 52. Business Management, Marketing & related support services 1.0 2.0 4.0 6.0 52. Business Management, Marketing & related support services 1.0 2.0 4.0 6.0 52. Business Management, Leisure & Fitness Studies 1.5 2.0 3.0 4.0 31. Parks, Recreation, Leisure & Fitness Studies 1.5 2.0 3.0 4.0 43. Security and Protective Services 1.5 2.0 3.0 4.0 43. Security and Protective Services 1.5 2.0 3.0 4.0 45. Services Cluster 46. Construction Trades 20 2.5 47. Mechanic Repair Technologies/Technicians 20 2.5 48. Precision Production 20 2.5 49. Transportation & Materials Moving 20 2.5 50. Natural Resources & Conservation 21. Computer & Information & Sciences & Support Services 22. Services Cluster 20 3.0 5.0 8.0 21. Natural Resources & Conservation 22. 3.0 5.0 8.0 23. Natural Resources & Conservation 24. Original Resources & Conservation 25. Services & Support Services 26. Solonged & Biomedical Sciences 27. Solongering Fitnering Sciences & Support Services 28. Solongering & Solongering Sciences & Support Services 29. 3.0 5.0 8.0 29. Natural Resources & Conservation 20. 3.0 5.0 8.0 20. Natural Resources & Conservation 20. 3.0 5.0 8.0 21. Engineering Technologies/Technicians 20. 3.0 5.0 8.0 22. Legal Professions and Studies 29. 3.0 5.0 8.0 29. 3.0 5.0 8.0 29. 3.0 5.0 8.0 29. 3.0 5.0 8.0 29. 3.0 5.0 8.0 29. 3.0 5.0 8.0 29. 3.0 5.0 8.0 29. 3.0 5.0 8.	24. Liberal Arts & Sciences, General Studies and Humanities	1.0	2.0	4.0	5.0
28. Reserve Officer Training Corps 29. Millary Technologies 1.0 2.0 4.0 5.0 30. Multi/Interdisciplinary Studies 1.0 2.0 4.0 5.0 38. Philosophy & Religious Studies 1.0 2.0 4.0 5.0 42. Psychology and Applied Psychology 1.0 2.0 4.0 5.0 42. Psychology and Applied Psychology 1.0 2.0 4.0 5.0 45. Social Sciences 1.0 2.0 4.0 5.0 46. Social Sciences 1.0 2.0 4.0 5.0 47. Psychology and Applied Psychology 1.0 2.0 4.0 5.0 48. Social Sciences 1.0 2.0 4.0 5.0 49. History 1.0 2.0 4.0 5.0 59. Honors Curriculum and Other 1.0 2.0 4.0 5.0  Basic Skills Cluster 32. Basic Skills 1.5  Business Cluster 1.5 32. Basic Skills 1.5  Business Cluster 1.0 2.0 4.0 6.0 44. Public Administration & Social Service Professions 1.0 2.0 4.0 6.0 44. Public Administration & Social Service Professions 1.0 2.0 4.0 6.0 6.0  Education Cluster 1.5 2.0 2.5 5.0 13. Education 1.5 2.0 2.5 5.0  Services Cluster 1.5 2.0 3.0 4.0 4.0 31. Parks. Recreation, Leisure & Fitness Studies 1.5 2.0 3.0 4.0 4.2 Personal & Culinary Services 1.5 2.0 3.0 4.0 4.3 Security and Protective Services 1.5 2.0 3.0 4.0 4.0 4.0 4.0 4.2 Services Cluster 4.6 Construction Trades 4.7 Mechanic Repair Technologies/Technicians 4.7 Mechanic Repair Technologies/Technicians 2.0 2.5 4.8 Precision Production 4.9 Transportation & Materials Moving 2.0 2.5  Selences Cluster 2.0 3.0 5.0 8.0 1.1 Computer & Information Sciences & Support Services 2.0 3.0 5.0 8.0 2.0 3.0 5.0 8.0 2.0 3.0 5.0 8.0 2.0 3.0 5.0 8.0 2.0 3.0 5.0 8.0 2.0 3.0 5.0 8.0 2.0 3.0 5.0 8.0 2.0 3.0 5.0 8.0 2.0 3.0 5.0 8.0 2.0 4.0 4.0 4.0 2.2 Legal Professions and Studies 2.0 2.0 3.0 5.0 8.0 2.0 4.0 4.0 4.0 2.2 Legal Professions and Studies 2.0 3.0 5.0 8.0 3.0 4.0 4.0 4.0 2.2 Legal Professions and Studies 2.0 3.0 5.0 8.0 3.0 4.0 4.0 4.0 2.1 Engineering Technologies/Technicians 2.0 3.0 5.0 8.0 3.0 4.0 4.0 4.0 4.0 3.1 Engineering Technologies/Technicians 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.0 3.0 5.0 8.	25. Library Science	1.0	2.0	4.0	5.0
29. Military Technologies	27. Mathematics & Statistics	1.0	2.0	4.0	5.0
30. Multi/Interdisciplinary Studies   1.0   2.0   4.0   5.0   38. Philosophy & Religious Studies   1.0   2.0   4.0   5.0   42. Psychology and Applied Psychology   1.0   2.0   4.0   5.0   45. Social Sciences   1.0   2.0   4.0   5.0   54. History   1.0   2.0   4.0   5.0   54. History   1.0   2.0   4.0   5.0   54. History   1.0   2.0   4.0   5.0   59. Honors Curriculum and Other   1.5   32. Basic Skills Cluster   1.5   32. Basic Skills Cluster   32. Basic Skills   1.5   32. Basic Skills   3.5   33. Basic Skills   3.5	28. Reserve Officer Training Corps	1.0	2.0	4.0	5.0
38. Philosophy & Religious Studies 42. Psychology and Applied Psychology 42. Psychology and Applied Psychology 45. Social Sciences 10. 2.0 4.0 5.0 45. Social Sciences 11.0 2.0 4.0 5.0 98. Honors Curriculum and Other 10. 2.0 4.0 5.0 99. Honors Curriculum and Other 15. 32. Basic Skills 1.5	29. Military Technologies	1.0	2.0	4.0	5.0
42. Psychology and Applied Psychology 45. Social Sciences 1.0 2.0 4.0 5.0 54. History 99. Honors Curriculum and Other 1.0 2.0 4.0 5.0 59. Honors Curriculum and Other 1.0 2.0 4.0 5.0 64. History 99. Honors Curriculum and Other 1.5  8  8  8  8  8  8  8  8  8  8  8  8  8	30. Multi/Interdisciplinary Studies	1.0	2.0	4.0	5.0
4.5	38. Philosophy & Religious Studies	1.0	2.0	4.0	5.0
54. History         1.0         2.0         4.0         5.0           99. Honors Curriculum and Other         1.0         2.0         4.0         5.0           Easic Skills Cluster         1.5         32. Basic Skills         1.5           Eusiness Cluster         1.0         2.0         4.0         6.0           44. Public Administration & Social Service Professions         1.0         2.0         4.0         6.0           52. Business Management, Marketing & related support services         1.0         2.0         4.0         6.0           6.0         44. Public Administration & Social Service Professions         1.0         2.0         4.0         6.0           6.2. Business Management, Marketing & related support services         1.0         2.0         4.0         6.0           6.2. Business Management, Marketing & related support services         1.5         2.0         4.0         6.0           6. Construction Cluster         1.5         2.0         2.5         5.0           13. Education         1.5         2.0         3.0         4.0           31. Parks, Recreation, Leisure & Fitness Studies         1.5         2.0         3.0         4.0           31. Parks, Recreation, Leisure & Fitness Studies         1.5         2.0	42. Psychology and Applied Psychology	1.0	2.0	4.0	5.0
Pasic Skills Cluster   1.5   3.2   Basic Skills   1.5	45. Social Sciences	1.0	2.0	4.0	5.0
Basic Skills Cluster   1.5   3.2   Basic Skills   1.5	54. History	1.0	2.0	4.0	5.0
Session   Skills	99. Honors Curriculum and Other	1.0	2.0	4.0	5.0
Business Cluster					
44. Public Administration & Social Service Professions       1.0       2.0       4.0       6.0         52. Business Management, Marketing & related support services       1.0       2.0       4.0       6.0         Education Cluster       1.5       2.0       2.5       5.0         13. Education       1.5       2.0       3.0       4.0         31. Parks, Recreation, Leisure & Fitness Studies       1.5       2.0       3.0       4.0         31. Parks, Recreation, Leisure & Fitness Studies       1.5       2.0       3.0       4.0         42. Personal & Culinary Services       1.5       2.0       3.0       4.0         43. Security and Protective Services       1.5       2.0       3.0       4.0         43. Security and Protective Services       1.5       2.5       5.0       5.0         50. Visual & Performing Arts       1.5       2.5       5.0       5.0         50. Visual & Performing Arts       1.5       2.5       5.0       5.0         48. Drecision Production       2.0       2.5       46. Construction Trades       2.0       2.5         47. Mechanic Repair Technologies/Technicians       2.0       2.5       47. Mechanic Repair Technologies/Technicians       2.0       2.5	32. Basic Skills	1.5			
Education Cluster					
Education Cluster					
1.5	52. Business Management, Marketing & related support services	1.0	2.0	4.0	6.0
Services Cluster					
31. Parks, Recreation, Leisure & Fitness Studies   1.5   2.0   3.0   4.0     12. Personal & Culinary Services   1.5   2.0   3.0   4.0     13. Security and Protective Services   1.5   2.0   3.0   4.0     Visual and Performing Arts Cluster   1.5   2.5   5.0   5.0     50. Visual & Performing Arts Cluster   2.5   5.0   5.0     50. Visual & Performing Arts Cluster   2.5   5.0   5.0     60. Construction Trades   2.0   2.5     46. Construction Trades   2.0   2.5     47. Mechanic Repair Technologies/Technicians   2.0   2.5     48. Precision Production   2.0   2.5     49. Transportation & Materials Moving   2.0   2.5     49. Transportation & Materials Moving   2.0   2.5      Sciences Cluster   2.0   3.0   5.0   8.0     01. Agricultural, Agriculture Operations & related sciences   2.0   3.0   5.0   8.0     03. Natural Resources & Conservation   2.0   3.0   5.0   8.0     11. Computer & Information Sciences & Support Services   2.0   3.0   5.0   8.0     26. Biological & Biomedical Sciences   2.0   3.0   5.0   8.0     27. Biological & Biomedical Sciences   2.0   3.0   5.0   8.0     40. Physical Sciences   2.0   3.0   5.0   8.0    Law Cluster   2.0   3.0   5.0   8.0    14. Engineering/Architecture Cluster   2.0   3.0   5.0   8.0    04. Architecture   2.0   3.0   5.0   8.0    15. Engineering Technologies/Technicians   2.0   3.0   5.0   8.0    Health Cluster   2.0   3.0   5.0   8.0	13. Education	1.5	2.0	2.5	5.0
12. Personal & Culinary Services   1.5   2.0   3.0   4.0   4.3   Security and Protective Services   1.5   2.0   3.0   4.0   4.0					
43. Security and Protective Services   1.5   2.0   3.0   4.0					
Visual and Performing Arts Cluster         1.5         2.5         5.0         5.0           50. Visual & Performing Arts         1.5         2.5         5.0         5.0           Trades/Tech Cluster         2.0         2.5           46. Construction Trades         2.0         2.5           47. Mechanic Repair Technologies/Technicians         2.0         2.5           48. Precision Production         2.0         2.5           49. Transportation & Materials Moving         2.0         2.5           Sciences Cluster         2.0         3.0         5.0         8.0           01. Agricultural, Agriculture Operations & related sciences         2.0         3.0         5.0         8.0           03. Natural Resources & Conservation         2.0         3.0         5.0         8.0           03. Natural Resources & Conservation         2.0         3.0         5.0         8.0           26. Biological & Biomedical Sciences & Support Services         2.0         3.0         5.0         8.0           26. Biological & Biomedical Sciences         2.0         3.0         5.0         8.0           40. Physical Sciences         2.0         3.0         5.0         8.0           2. Legal Professions and Studies         2.0					
Sciences Cluster	43. Security and Protective Services	1.5	2.0	3.0	4.0
Trades/Tech Cluster					
46. Construction Trades       2.0       2.5         47. Mechanic Repair Technologies/Technicians       2.0       2.5         48. Precision Production       2.0       2.5         49. Transportation & Materials Moving       2.0       2.5         Sciences Cluster       2.0       3.0       5.0       8.0         01. Agricultural, Agriculture Operations & related sciences       2.0       3.0       5.0       8.0         03. Natural Resources & Conservation       2.0       3.0       5.0       8.0         11. Computer & Information Sciences & Support Services       2.0       3.0       5.0       8.0         26. Biological & Biomedical Sciences       2.0       3.0       5.0       8.0         40. Physical Sciences       2.0       3.0       5.0       8.0         40. Physical Sciences       2.0       3.0       5.0       8.0         Engineering/Architecture       2.0       2.0       4.0       4.0         Engineering/Architecture Cluster       2.0       3.0       5.0       8.0         14. Engineering       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       2.0       5.0       6.0	50. Visual & Performing Arts	1.5	2.5	5.0	5.0
47. Mechanic Repair Technologies/Technicians       2.0       2.5         48. Precision Production       2.0       2.5         49. Transportation & Materials Moving       2.0       2.5         Sciences Cluster       2.0       3.0       5.0       8.0         01. Agricultural, Agriculture Operations & related sciences       2.0       3.0       5.0       8.0         03. Natural Resources & Conservation       2.0       3.0       5.0       8.0         11. Computer & Information Sciences & Support Services       2.0       3.0       5.0       8.0         26. Biological & Biomedical Sciences       2.0       3.0       5.0       8.0         40. Physical Sciences       2.0       3.0       5.0       8.0         2.0 Legal Professions and Studies       2.0       2.0       4.0       4.0         22. Legal Professions and Studies       2.0       3.0       5.0       8.0         4. Architecture       2.0       3.0       5.0       8.0         14. Engineering Technologies/Technicians       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       2.0       5.0       6.0		2.0			
48. Precision Production       2.0       2.5         49. Transportation & Materials Moving       2.0       2.5         Sciences Cluster         01. Agricultural, Agriculture Operations & related sciences       2.0       3.0       5.0       8.0         03. Natural Resources & Conservation       2.0       3.0       5.0       8.0         11. Computer & Information Sciences & Support Services       2.0       3.0       5.0       8.0         26. Biological & Biomedical Sciences       2.0       3.0       5.0       8.0         40. Physical Sciences       2.0       3.0       5.0       8.0         22. Legal Professions and Studies       2.0       2.0       4.0       4.0         22. Legal Professions and Studies       2.0       3.0       5.0       8.0         04. Architecture Cluster       2.0       3.0       5.0       8.0         14. Engineering       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       3.0       5.0       8.0         Health Cluster       2.0       2.0       5.0       6.0					
Sciences Cluster   2.0   3.0   5.0   8.0					
Sciences Cluster         2.0         3.0         5.0         8.0           01. Agricultural, Agriculture Operations & related sciences         2.0         3.0         5.0         8.0           03. Natural Resources & Conservation         2.0         3.0         5.0         8.0           11. Computer & Information Sciences & Support Services         2.0         3.0         5.0         8.0           26. Biological & Biomedical Sciences         2.0         3.0         5.0         8.0           40. Physical Sciences         2.0         3.0         5.0         8.0           2.0 Legal Professions and Studies         2.0         2.0         4.0         4.0           Engineering/Architecture Cluster         2.0         3.0         5.0         8.0           14. Engineering         2.0         3.0         5.0         8.0           15. Engineering Technologies/Technicians         2.0         3.0         5.0         8.0           Health Cluster         2.0         2.0         5.0         6.0					
01. Agricultural, Agriculture Operations & related sciences       2.0       3.0       5.0       8.0         03. Natural Resources & Conservation       2.0       3.0       5.0       8.0         11. Computer & Information Sciences & Support Services       2.0       3.0       5.0       8.0         26. Biological & Biomedical Sciences       2.0       3.0       5.0       8.0         40. Physical Sciences       2.0       3.0       5.0       8.0         22. Legal Professions and Studies       2.0       2.0       4.0       4.0         Engineering/Architecture Cluster       2.0       3.0       5.0       8.0         04. Architecture       2.0       3.0       5.0       8.0         14. Engineering       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       3.0       5.0       8.0         Health Cluster       2.0       2.0       5.0       6.0	49. Transportation & Materials Moving	2.0	2.5		
03. Natural Resources & Conservation       2.0       3.0       5.0       8.0         11. Computer & Information Sciences & Support Services       2.0       3.0       5.0       8.0         26. Biological & Biomedical Sciences       2.0       3.0       5.0       8.0         40. Physical Sciences       2.0       3.0       5.0       8.0         Law Cluster       2.0       2.0       4.0       4.0         22. Legal Professions and Studies       2.0       2.0       4.0       4.0         Engineering/Architecture Cluster       2.0       3.0       5.0       8.0         04. Architecture       2.0       3.0       5.0       8.0         14. Engineering       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       3.0       5.0       8.0         Health Cluster       2.0       2.0       5.0       6.0					
11. Computer & Information Sciences & Support Services       2.0       3.0       5.0       8.0         26. Biological & Biomedical Sciences       2.0       3.0       5.0       8.0         40. Physical Sciences       2.0       3.0       5.0       8.0         Law Cluster       2.0       2.0       4.0       4.0         22. Legal Professions and Studies       2.0       2.0       4.0       4.0         Engineering/Architecture Cluster       2.0       3.0       5.0       8.0         04. Architecture       2.0       3.0       5.0       8.0         14. Engineering       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       3.0       5.0       8.0         Health Cluster       2.0       2.0       5.0       6.0					
26. Biological & Biomedical Sciences       2.0       3.0       5.0       8.0         40. Physical Sciences       2.0       3.0       5.0       8.0         Law Cluster       2.0       2.0       4.0       4.0         22. Legal Professions and Studies       2.0       2.0       4.0       4.0         Engineering/Architecture Cluster       2.0       3.0       5.0       8.0         04. Architecture       2.0       3.0       5.0       8.0         14. Engineering       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       3.0       5.0       8.0         Health Cluster       2.0       2.0       5.0       6.0					
40. Physical Sciences       2.0       3.0       5.0       8.0         Law Cluster       2.0       2.0       4.0       4.0         22. Legal Professions and Studies       2.0       2.0       4.0       4.0         Engineering/Architecture Cluster       2.0       3.0       5.0       8.0         04. Architecture       2.0       3.0       5.0       8.0         14. Engineering       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       3.0       5.0       8.0         Health Cluster       2.0       2.0       5.0       6.0					
Law Cluster       2.0       2.0       4.0       4.0         22. Legal Professions and Studies       2.0       2.0       4.0       4.0         Engineering/Architecture Cluster       2.0       3.0       5.0       8.0         04. Architecture       2.0       3.0       5.0       8.0         14. Engineering       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       3.0       5.0       8.0         Health Cluster       2.0       2.0       5.0       6.0					
22. Legal Professions and Studies       2.0       2.0       4.0       4.0         Engineering/Architecture Cluster       2.0       3.0       5.0       8.0         04. Architecture       2.0       3.0       5.0       8.0         14. Engineering       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       3.0       5.0       8.0         Health Cluster       2.0       2.0       5.0       6.0	40. Physical Sciences	2.0	3.0	5.0	8.0
Engineering/Architecture Cluster         2.0         3.0         5.0         8.0           04. Architecture         2.0         3.0         5.0         8.0           14. Engineering         2.0         3.0         5.0         8.0           15. Engineering Technologies/Technicians         2.0         3.0         5.0         8.0           Health Cluster         2.0         2.0         5.0         6.0					
04. Architecture       2.0       3.0       5.0       8.0         14. Engineering       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       3.0       5.0       8.0         Health Cluster         2.0       2.0       5.0       6.0	22. Legal Professions and Studies	2.0	2.0	4.0	4.0
14. Engineering       2.0       3.0       5.0       8.0         15. Engineering Technologies/Technicians       2.0       3.0       5.0       8.0         Health Cluster         2.0       2.0       5.0       6.0			3.0	5.0	8.0
15. Engineering Technologies/Technicians 2.0 3.0 5.0 8.0  Health Cluster 2.0 2.0 5.0 6.0					
Health Cluster 2.0 2.0 5.0 6.0					
	15. Engineering Technologies/Technicians	2.0	3.0	5.0	8.0
51. Nursing, Allied Health, Health Professions 2.0 2.0 5.0 6.0		2.0	2.0	5.0	6.0
	51. Nursing, Allied Health, Health Professions	2.0	2.0	5.0	6.0

# **APPENDIX A**

# NSHE Course Taxonomy Weights by Discipline Clusters

#### UNIVERSITIES

05. Area, Ethnic, Cultural & Gender Studies   1.0   2.2   4.4   5.5	Discipline Clusters	Lower Division	Upper Division	Masters	Doctoral
0.9. Communication, Journalism and related programs   1.0   2.2   4.4   5.5   16. Foreign Languages, Literature and Linguistics   1.0   2.2   4.4   5.5   19. Family and Consumer Sciences/Human Sciences   1.0   2.2   4.4   5.5   23. English Language & Literature/Letters   1.0   2.2   4.4   5.5   24. Liberal Arts & Sciences, General Studies and Humanities   1.0   2.2   4.4   5.5   25. Library Science   1.0   2.2   4.4   5.5   27. Mathematics & Statistics   1.0   2.2   4.4   5.5   27. Mathematics & Statistics   1.0   2.2   4.4   5.5   27. Mathematics & Statistics   1.0   2.2   4.4   5.5   29. Military Technologies   1.0   2.2   4.4   5.5   29. Military Technologies   1.0   2.2   4.4   5.5   38. Philosophy & Religious Studies   1.0   2.2   4.4   5.5   38. Philosophy & Religious Studies   1.0   2.2   4.4   5.5   4.5   5.3   24. Psychology and Applied Psychology   1.0   2.2   4.4   5.5   4.5   5.4   15tory   1.0   2.2   4.4   5.5   4.5   5.4   15tory   1.0   2.2   4.4   5.5   4.5   5.5   4.5   5.5	Liberal Arts, Math, Social Science, Languages, Other	1.0	2.2	4.4	5.5
16. Foreign Languages, Literature and Linguistics 19. Family and Consumer Sciences/Human Sciences 10. 2.2 4.4 5.5 23. English Language & Literature/Letters 10. 2.2 4.4 5.5 24. Liberal Arts & Sciences, General Studies and Humanities 10. 2.2 4.4 5.5 25. Library Science 10. 2.2 4.4 5.5 26. Library Science 10. 2.2 4.4 5.5 27. Mathematics & Statistics 10. 2.2 4.4 5.5 28. Reserve Officer Training Corps 10. 2.2 4.4 5.5 29. Military Technologies 10. 2.2 4.4 5.5 30. Multi/Interdisciplinary Studies 10. 2.2 4.4 5.5 30. Multi/Interdisciplinary Studies 10. 2.2 4.4 5.5 31. Philosophy & Religious Studies 10. 2.2 4.4 5.5 32. Psychology and Applied Psychology 10. 2.2 4.4 5.5 34. Psychology and Applied Psychology 10. 2.2 4.4 5.5 34. History 10. 2.2 4.4 5.5 35. History 10. 2.2 4.4 5.5 36. History 10. 2.2 4.4 5.5 37. History 10. 2.2 4.4 5.5 38. Philosophy & Religious Studies 10. 2.2 4.4 5.5 38. Philosophy & Religious Studies 10. 2.2 4.4 5.5 39. History 10. 2.2 4.4 5.5 39. History 10. 2.2 4.4 5.5 30. Multi/Interdisciplinary Studies 10. 2.2 4.4 5.5 31. Education 32. Basic Skills 31. 5 32. Basic Skills 31. 5 32. Basic Skills 32. Basic Skills 33. 44 34. Public Administration & Social Service Professions 10. 2.2 4.4 6.6 36. 6 37. Business Management, Marketing & related support services 10. 2.2 4.4 6.6 36. 6 37. Business Management, Marketing & related support services 10. 2.2 2.75 30. 44 31. Pariks, Recreation, Leisure & Fitness Studies 1.5 2.2 3.3 4.4 31. Pariks, Recreation, Leisure & Fitness Studies 1.5 2.2 3.3 4.4 31. Pariks, Recreation, Leisure & Fitness Studies 1.5 2.2 3.3 4.4 31. Pariks, Recreation, Leisure & Fitness Studies 31. 5. 5. 5.5 50. Visual & Performing Arts Cluster 42. 2. 2. 75 43. Socurity and Protective Services 32. 3. 5.5 53. 8.8 30. Natural Resources & Conservation 44. Construction Trades 45. Construction Trades 46. On Struction Trades 47. Mechanic Repair Technologies/Technicians 48. Percision Production 49. Transportation & Materials Moving 40. Physical Sciences 40. Physical Sciences 40. Physical Sciences 40. Phys	05. Area, Ethnic, Cultural & Gender Studies	1.0	2.2	4.4	5.5
19. Family and Consumer Sciences/Human Sciences 23. English Language & Literature/Letters 24. Liberal Arts & Sciences, General Studies and Humanities 1.0 2.2 4.4 5.5 24. Liberal Arts & Sciences, General Studies and Humanities 1.0 2.2 4.4 5.5 25. Library Science 1.0 2.2 4.4 5.5 27. Mathematics & Statistics 1.0 2.2 4.4 5.5 28. Reservo Officer Training Corps 1.0 2.2 4.4 5.5 29. Military Technologies 1.0 2.2 4.4 5.5 39. Philosophy & Religious Studies 1.0 2.2 4.4 5.5 39. Philosophy & Religious Studies 1.0 2.2 4.4 5.5 39. Philosophy & Religious Studies 1.0 2.2 4.4 5.5 39. Philosophy & Religious Studies 1.0 2.2 4.4 5.5 39. Philosophy & Religious Studies 1.0 2.2 4.4 5.5 39. Honors Curriculum and Other 1.0 2.2 4.4 5.5 39. Honors Curriculum and Other 1.0 2.2 4.4 5.5 39. Honors Curriculum and Other 1.0 2.2 4.4 5.5 39. Basic Skills Cluster 1.5 32. Basic Skills Cluster 1.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6	09. Communication, Journalism and related programs	1.0	2.2	4.4	5.5
23. English Language & Literature/Letters 24. Liberal Arts & Sciences, General Studies and Humanities 1.0 2.2 4.4 5.5 25. Library Science 1.0 2.2 4.4 5.5 26. Library Science 1.0 2.2 4.4 5.5 27. Mathematics & Statistics 1.0 2.2 4.4 5.5 28. Reserve Officer Training Corps 1.0 2.2 4.4 5.5 28. Reserve Officer Training Corps 1.0 2.2 4.4 5.5 30. Multi/Interdisciplinary Studies 1.0 2.2 4.4 5.5 30. Multi/Interdisciplinary Studies 1.0 2.2 4.4 5.5 31. Multi/Interdisciplinary Studies 1.0 2.2 4.4 5.5 32. Spychology and Applied Psychology 1.0 2.2 4.4 5.5 34. Psychology and Applied Psychology 1.0 2.2 4.4 5.5 34. Psychology and Applied Psychology 1.0 2.2 4.4 5.5 34. History 1.0 2.2 4.4 5.5 35. History 1.0 2.2 4.4 5.5 38. Brilisopathy Studies 32. Basic Skills 1.5 32. Basic Skills 1.5 32. Basic Skills 33. Basic Skills 34.4 Public Administration & Social Service Professions 1.0 2.2 4.4 6.6 44. Public Administration & Social Service Professions 1.0 2.2 4.4 6.6 44. Public Administration & Social Service Professions 1.0 2.2 4.4 6.6 44. Public Administration & Social Service Professions 1.0 2.2 4.4 6.6 44. Public Administration & Social Service Professions 1.0 2.2 4.4 6.6 44. Public Administration & Social Service Professions 1.0 2.2 3.3 4.4 4.1 5.5 4.1 5.2 2 3.3 4.4 4.2 Personal & Cultinary Services 1.5 2.2 3.3 4.4 4.1 5.5 2.2 3.3 4.4 4.2 Personal & Cultinary Services 1.5 2.2 3.3 4.4 4.2 Personal & Cultinary Services 1.5 2.2 3.3 4.4 4.3 Security and Protective Services 1.5 2.2 3.3 4.4 4.1 5.5 4.2 Personal & Cultinary Services 1.5 2.2 3.3 4.4 4.2 Personal & Cultinary Services 2.0 2.75 4.7 Mechanic Repair Technologies/Technicians 2.0 2.75 4.7 Mechanic Repair Technologies/Technicians 2.0 2.75 4.7 Mechanic Repair Technologies/Technicians 2.0 3.3 5.5 8.8 2.6 Biological & Biomedical Sciences & Support Services 2.0 3.3 5.5 8.8 2.6 Biological & Biomedical Sciences & Support Servi		1.0	2.2	4.4	5.5
24. Liberal Arts & Sciences, General Studies and Humanities       1.0       2.2       4.4       5.5         25. Library Science       1.0       2.2       4.4       5.5         27. Mathematics & Statistics       1.0       2.2       4.4       5.5         28. Reservo Officer Training Corps       1.0       2.2       4.4       5.5         29. Military Technologies       1.0       2.2       4.4       5.5         30. Multifriedsciplinary Studies       1.0       2.2       4.4       5.5         38. Philosophy & Religious Studies       1.0       2.2       4.4       5.5         42. Psychology and Applied Psychology       1.0       2.2       4.4       5.5         45. Social Sciences       1.0       2.2       4.4       5.5         54. History       1.0       2.2       4.4       5.5         99. Honors Curriculum and Other       1.0       2.2       4.4       5.5         44. Public Administration & Social Service Professions       1.5       1.5       1.5         tusiness Cluster       1.5       2.2       4.4       6.6         5.2 Business Management, Marketing & related support services       1.0       2.2       4.4       6.6         6 ducation Cluster </td <td>19. Family and Consumer Sciences/Human Sciences</td> <td>1.0</td> <td>2.2</td> <td>4.4</td> <td>5.5</td>	19. Family and Consumer Sciences/Human Sciences	1.0	2.2	4.4	5.5
25. Library Science 27. Mathematics & Statistics 27. Mathematics & Statistics 28. Reserve Officer Training Corps 29. Military Technologies 10. 22 4.4 5.5 28. Reserve Officer Training Corps 10. 22 4.4 5.5 30. Multi/Interdisciplinary Studies 10. 22 4.4 5.5 31. Philosophy & Religious Studies 10. 22 4.4 5.5 32. Psychology and Applied Psychology 10. 22 4.4 5.5 42. Psychology and Applied Psychology 10. 22 4.4 5.5 45. Social Sciences 10. 22 4.4 5.5 45. Social Sciences 10. 22 4.4 5.5 46. Social Sciences 10. 22 4.4 5.5 47. History 10. 22 4.4 5.5 48. Polymory 10. 22 4.4 5.5 49. Honors Curriculum and Other 10. 22 4.4 5.5 40. Public Administration & Social Service Professions 10. 22 4.4 6.6 40. Public Administration & Social Service Professions 10. 22 4.4 6.6 40. Public Administration & Social Service Professions 10. 22 4.4 6.6 40. Education Cluster 10. 22 4.4 6.6 40. Audition Cluster 11. 5 22 2.75 5.5 13. Education 15. 22 2.75 5.5 13. Education 15. 22 2.75 5.5 13. Education Cluster 15. 22 2.75 5.5 13. Parks, Recreation, Leisure & Fitness Studies 15. 22 3.3 4.4 43. Security and Profestive Services 15. 22 3.3 4.4 43. Security and Profestive Services 15. 2.2 3.3 4.4 43. Security and Profestive Services 15. 2.75 5.5 55. 55  13. Factorial Repair Technologies/Technicians 20 2.75 48. Precision Production 20 2.75 49. Precision Production 20 2.75 49. Precision Production Services 20 3.3 5.5 8.8 11. Computer & Information Sciences & Support Services 20 3.3 5.5 8.8 11. Computer & Information Sciences & Support Services 20 3.3 5.5 8.8 20 Physical Sciences 20 3.3 5.5 8.8 20 Cluster 20 2.2 4.4 4.4 22. Legal Professions and Studies 20 2.2 4.4 4.4 22. Legal Professions and Studies 20 3.3 5.5 8.8 20 4.4 Physical Sciences 3.5 8.8 20 4.4 Physical Sciences 3.5 8.8 20 4.5 8.8 20 2.75 8.8 20 2.75 8.8 20 2.75 8.8 20 2.75 8.8 20 3.3 5.5 8.8 20 2.75 9.8 20 3.3 5.5 8.8 20 2.75 9.8 20 3.3 5.5 8.8 20 2.75 9.8 20 3.3 5.5 8.8 20 2.75 9.8 20 3.3 5.5 8.8 20 2.75 9.8 20 3.3 5.5 8.8 20 2.75 9.8 20 3.3 5.5 8.8 20 2.75 9.8 20 3.3 5.5 8.8 20 2.75 9.8 20 3.3	23. English Language & Literature/Letters	1.0	2.2	4.4	5.5
27. Mathematics & Statistics 28. Reserve Officer Training Corps 1.0 2.2 4.4 5.5 29. Military Technologies 1.0 2.2 4.4 5.5 29. Military Technologies 1.0 2.2 4.4 5.5 30. Multifuncticsicipinary Studies 1.0 2.2 4.4 5.5 31. Philosophy & Religious Studies 1.0 2.2 4.4 5.5 32. Philosophy & Religious Studies 1.0 2.2 4.4 5.5 42. Psychology and Applied Psychology 1.0 2.2 4.4 5.5 54. History 1.0 2.2 4.4 5.5 54. History 1.0 2.2 4.4 5.5 54. History 1.0 2.2 4.4 5.5 55. History 1.0 2.2 4.4 5.5 56. History 1.0 2.2 4.4 5.5 56. Business Cluster 1.5 32. Basic Skills 1.5 55  43. Parks. Recreation & Social Service Professions 1.0 2.2 4.4 6.6 52. Business Cluster 1.0 2.2 4.4 6.6 52. Business Management, Marketing & related support services 1.0 2.2 4.4 6.6 52. Business Management, Marketing & related support services 1.0 2.2 4.4 6.6 640cation Cluster 1.5 2.2 2.75 5.5 13. Education 1.5 2.2 3.3 4.4 12. Personal & Culinary Services 1.5 2.2 3.3 4.4 12. Personal & Culinary Services 1.5 2.2 3.3 4.4 12. Personal & Culinary Services 1.5 2.2 3.3 4.4 13. Security and Protective Services 1.5 2.2 3.3 4.4 14. Personal & Culinary Services 1.5 2.2 3.3 4.4 15. Personal & Culinary Services 1.5 2.2 3.3 4.4 16. Construction Trades 1.5 2.7 5.5 17. Education Production 2.0 2.75 48. Precision Production 2.0 2.75 49. Transportation & Materials Moving 2.0 2.75 49. Transportation & Materials Moving 2.0 2.75 49. Transportation & Materials Moving 2.0 2.75 2.75 3.8 11. Computer & Information Sciences & Support Services 2.0 3.3 5.5 8.8 40. Physical Sciences 3.0 4.4 4.4 42. Legal Professions and Studies 3.1. Engineering Technologies/Technicians 3.2. 2.0 3.3 5.5 8.8 3.1. Engineering Technologies/Technicians 3.2. 2.0 3.3 5.5 8.8 3.1. Engineering Technologies/Technicians 3.2. 5.5 8.8 3.1. Engineering Technologies/Technicians 3.2. 5.5 8.8 3.1. Engineering Technologies/Technicians 3.2. 5.5 8.8	24. Liberal Arts & Sciences, General Studies and Humanities	1.0	2.2	4.4	5.5
28. Reserve Officer Training Corps 29. Military Technologies 30. Multi/Interdisciplinary Studies 10. 22 4.4 5.5 30. Multi/Interdisciplinary Studies 10. 22 4.4 5.5 30. Multi/Interdisciplinary Studies 10. 22 4.4 5.5 42. Psychology and Applied Psychology 10. 22 4.4 5.5 42. Psychology and Applied Psychology 10. 22 4.4 5.5 45. Social Sciences 10. 22 4.4 5.5 46. Social Sciences 10. 22 4.4 5.5 47. Social Sciences 10. 22 4.4 5.5 48. History 10. 22 4.4 5.5 49. Honors Curriculum and Other 10. 2.2 4.4 5.5 49. Honors Curriculum and Other 10. 2.2 4.4 5.5 40. Public Administration & Social Service Professions 10. 2.2 4.4 6.6 41. Public Administration & Social Service Professions 10. 2.2 4.4 6.6 42. Public Administration & Social Service Professions 10. 2.2 4.4 6.6 43. Public Administration & Social Service Professions 10. 2.2 4.4 6.6 44. Public Administration & Social Service Professions 10. 2.2 4.4 6.6 44. Public Administration & Social Service Professions 10. 2.2 4.4 6.6 44. Public Administration & Social Service Professions 10. 2.2 4.4 6.6 44. 2.2 2.75 5.5 44. 12. Personal & Culimary Services 11.5 2.2 2.75 5.5 45. Services Cluster 46. Construction Trades 47. Security and Profective Services 15. 2.2 3.3 4.4 47. Security and Profective Services 15. 2.75 5.5 55. Social Services 15. 2.75 5.5 55. Social Services 15. 2.75 5.5 55. Social Services 16. Security and Profective Services 17. Security and Profective Services 18. Security and Profective Services 19. 2.75 5.5 55. Social Services 19. 2.2	25. Library Science	1.0	2.2	4.4	5.5
29. Military Technologies	27. Mathematics & Statistics	1.0	2.2	4.4	5.5
30. Multi/Interdisciplinary Studies 31. Philosophy & Religious Studies 31. Philosophy & Religious Studies 42. Psychology and Applied Psychology 1.0 2.2 4.4 5.5 45. Social Sciences 1.0 2.2 4.4 5.5 46. Social Sciences 1.0 2.2 4.4 5.5 47. Social Sciences 1.0 2.2 4.4 5.5 48. History 1.0 2.2 4.4 5.5 49. Honors Curriculum and Other 1.0 2.2 4.4 5.5 41. Story 41. Department of the second of the seco	28. Reserve Officer Training Corps	1.0	2.2	4.4	5.5
38. Philosophy & Religious Studies 42. Psychology and Applied Psychology 42. Psychology and Applied Psychology 43. Social Sciences 44. Social Sciences 45. Social Sciences 46. Social Sciences 47. History 48. Post Sciences 48. Precision Protective Services 49. Honors Curriculum and Other 40. 22. 44. 5.5  44. History 49. Honors Curriculum and Other 40. 22. 44. 5.5  44. Public Administration & Social Service Professions 52. Business Cluster 44. Public Administration & Social Service Professions 52. Business Management, Marketing & related support services 40. 22. 44. 6.6  44. Public Administration & Social Service Professions 52. Business Management, Marketing & related support services 10. 22. 44. 6.6  44. Public Administration & Social Service Professions 10. 22. 44. 6.6  44. Social Sciences 45. 22. 2.75 46. 6.6  46. Authorized Marketing & related support services 11. 5. 22. 2.75 5.5  47. Education 48. Precision Profective Services 15. 22. 3.3 4.4 48. Security and Profective Services 15. 22. 3.3 4.4 49. Security and Profective Services 15. 22. 3.3 4.4 49. Security and Profective Services 15. 27. 5.5 50. Visual & Performing Arts Cluster 15. 27. 5.5 50. Visual & Performing Arts Cluster 20. 2.75 41. Mechanic Repair Technologies/Technicians 20. 2.75 42. Transportation & Materials Moving 20. 2.75 43. Natural Resources & Conservation 20. 3.3 5.5 8.8 20. Natural Resources & Conservation 20. 3.3 5.5 8.8 20. Natural Resources & Support Services 20. 3.3 5.5 8.8 20. Natural Resources & Support Services 20. 3.3 5.5 8.8 20. Natural Resources & Support Services 20. 3.3 5.5 8.8 20. Dingenering/Architecture Cluster 20. 2.2 4.4 4.4 4. Regineering Technologies/Technicians 20. 2.2 4.4 4.4 4. Regineering Technologies/Technicians 20. 2.2 4.4 4.4 4. Regineering Technologies/Technicians 20. 3.3 5.5 8.8 20. Liegal Professions and Studies 20. 3.3 5.5 8.8 20. Liegal Professions and Studies 20. 3.3 5.5 8.8 20. Liegal Professions and Studies 20. 3.3 5.5 8.8 20. Liegal Professions and Studies 20. 3.3 5.5 8.8 21. Engineering Technologies/Tech	29. Military Technologies	1.0	2.2	4.4	5.5
42 Psychology and Applied Psychology 45. Social Sciences 45. Social Sciences 46. History 47. History 48. History 49. Honors Curriculum and Other 49. Honors Curriculum and Other 41. Stasic Skillis Cluster 41. Stasic Skillis Cluster 41. Stasic Skillis Cluster 42. Public Administration & Social Service Professions 44. Public Administration & Social Service Professions 44. Public Administration & Fraction &	30. Multi/Interdisciplinary Studies	1.0	2.2	4.4	5.5
45. Social Sciences 54. History 1.0 2.2 4.4 5.5 99. Honors Curriculum and Other 1.0 2.2 4.4 5.5 99. Honors Curriculum and Other 1.0 2.2 4.4 5.5 sasic Skills Cluster 3.2. Basic Skills 1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5	38. Philosophy & Religious Studies	1.0	2.2	4.4	5.5
54. History       1.0       2.2       4.4       5.5         99. Honors Curriculum and Other       1.0       2.2       4.4       5.5         asic Skills Cluster       1.5       32. Basic Skills       1.5         susiness Cluster       1.0       2.2       4.4       6.6         44. Public Administration & Social Service Professions       1.0       2.2       4.4       6.6         52. Business Management, Marketing & related support services       1.0       2.2       4.4       6.6         ducation Cluster       1.5       2.2       2.75       5.5         13. Education       1.5       2.2       2.75       5.5         ervices Cluster       1.5       2.2       2.3       4.4         31. Parks, Recreation, Leisure & Fitness Studies       1.5       2.2       3.3       4.4         31. Parks, Recreation, Leisure & Fitness Studies       1.5       2.2       3.3       4.4         32. Personal & Culinary Services       1.5       2.2       3.3       4.4         31. Parks, Recreation, Leisure & Fitness Studies       1.5       2.2       3.3       4.4         32. Personal & Culinary Services       1.5       2.2       3.3       4.4         33. Parks, Recreation	42. Psychology and Applied Psychology	1.0	2.2	4.4	5.5
99. Honor's Curriculum and Other  1.0 2.2 4.4 5.5  asic Skills Cluster 3.2. Basic Skills 1.5  1.5  1.5  1.5  1.5  1.5  1.5  1.5	45. Social Sciences	1.0	2.2	4.4	5.5
1.5   1.5	54. History	1.0	2.2	4.4	5.5
1.5   1.5	99. Honors Curriculum and Other	1.0	2.2	4.4	5.5
1.0   2.2   4.4   6.6	Basic Skills Cluster				
44. Public Administration & Social Service Professions       1.0       2.2       4.4       6.6         52. Business Management, Marketing & related support services       1.0       2.2       4.4       6.6         ducation Cluster       1.5       2.2       2.75       5.5         13. Education       1.5       2.2       2.75       5.5         ervices Cluster       1.5       2.2       3.3       4.4         31. Parks, Recreation, Leisure & Fitness Studies       1.5       2.2       3.3       4.4         31. Parks, Recreation, Leisure & Fitness Studies       1.5       2.2       3.3       4.4         41. Personal & Culinary Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.75       5.5       5.5         50. Visual & Performing Arts Cluster       2.0       2.75       4.5       5.5       5.5         40. Visual & Performing Arts Cluster       2.0       2.75	32. Basic Skills	1.5			
52. Business Management, Marketing & related support services       1.0       2.2       4.4       6.6         ducation Cluster       1.5       2.2       2.75       5.5         13. Education       1.5       2.2       2.75       5.5         15. Education       1.5       2.2       2.75       5.5         ervices Cluster       1.5       2.2       3.3       4.4         31. Parks, Recreation, Leisure & Fitness Studies       1.5       2.2       3.3       4.4         41. Personal & Culinary Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.75       5.5       5.5         50. Visual & Performing Arts       1.5       2.75       5.5       5.5       5.5         50. Visual & Performing Arts Cluster       2.0       2.75       47. Mechanic Repair Technologies/Technicians       2.0       2.75       47. Mechanic Repair Technologies/Technicians       2.0       3.3       5	Business Cluster				
ducation Cluster         1.5         2.2         2.75         5.5           13. Education         1.5         2.2         2.75         5.5           ervices Cluster         1.5         2.2         3.3         4.4           31. Parks, Recreation, Leisure & Fitness Studies         1.5         2.2         3.3         4.4           12. Personal & Culinary Services         1.5         2.2         3.3         4.4           43. Security and Protective Services         1.5         2.2         3.3         4.4           43. Security and Protective Services         1.5         2.2         3.3         4.4           43. Security and Protective Services         1.5         2.2         3.3         4.4           43. Security and Protective Services         1.5         2.75         5.5					
13. Education       1.5       2.2       2.75       5.5         ervices Cluster       1.5       2.2       3.3       4.4         31. Parks, Recreation, Leisure & Fitness Studies       1.5       2.2       3.3       4.4         12. Personal & Culinary Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.75       5.5       5.5       5.5         50. Visual & Performing Arts       1.5       2.75       5.5	52. Business Management, Marketing & related support services	1.0	2.2	4.4	6.6
### Precision Production Trades ### Precision Production ### Precision	Education Cluster				
31. Parks, Recreation, Leisure & Fitness Studies       1.5       2.2       3.3       4.4         12. Personal & Culinary Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.2       3.3       4.4         isual and Performing Arts Cluster       1.5       2.75       5.5       5.5         50. Visual & Performing Arts       1.5       2.75       5.5       5.5         50. Visual & Performing Arts       2.0       2.75       2.75       5.5       5.5         46. Construction Trades       2.0       2.75       47. Mechanic Repair Technologies/Technicians       2.0       2.75       48. Precision Production       2.0       2.75       49. Transportation & Materials Moving       2.0       2.75       49. Transportation & Materials Moving       2.0       2.75       8.8       8.8       6.1       4.0       <	13. Education	1.5	2.2	2.75	5.5
12. Personal & Culinary Services       1.5       2.2       3.3       4.4         43. Security and Protective Services       1.5       2.2       3.3       4.4         isual and Performing Arts Cluster       1.5       2.75       5.5       5.5         50. Visual & Performing Arts       1.5       2.75       5.5       5.5         fades/Tech Cluster       2.0       2.75       2.75       4.6       Construction Trades       2.0       2.75       4.7       4.6       Construction Trades       2.0       2.75       4.7       4.7       Mechanic Repair Technologies/Technicians       2.0       2.75       4.7       4.7       4.7       Mechanic Repair Technologies/Technicians       2.0       2.75       4.7       4.7       4.8       Precision Production       2.0       2.75       4.8       Precision Production       2.0       3.3       5.5       8.8       8.8       8.8       8.8       8.8       8.8       8.8       8.8       8.8       9.1       9.1       9.2       3.3       5.5       8.8       8.8       9.2       3.3	Services Cluster				
43. Security and Protective Services       1.5       2.2       3.3       4.4         isual and Performing Arts Cluster       1.5       2.75       5.5       5.5         50. Visual & Performing Arts       1.5       2.75       5.5       5.5         fades/Tech Cluster       2.0       2.75       2.75       2.75       2.75       46. Construction Trades       2.0       2.75       2.75       2.75       48. Precision Production       2.0       2.75       2.75       2.75       2.75       2.75       2.0       2.75       2.75       2.0       2.75       3.3       5.5       8.8       8.8       3.3       5.5       8.8       3.3       5.5       8.8       8.8       3.3       5.5       8.8       8.8       2.0       3.3       5.5					
isual and Performing Arts Cluster         1.5         2.75         5.5         5.5           50. Visual & Performing Arts         1.5         2.75         5.5         5.5           46. Construction Trades         2.0         2.75           47. Mechanic Repair Technologies/Technicians         2.0         2.75           48. Precision Production         2.0         2.75           49. Transportation & Materials Moving         2.0         2.75           ciences Cluster         2.0         3.3         5.5         8.8           01. Agricultural, Agriculture Operations & related sciences         2.0         3.3         5.5         8.8           03. Natural Resources & Conservation         2.0         3.3         5.5         8.8           11. Computer & Information Sciences & Support Services         2.0         3.3         5.5         8.8           26. Biological & Biomedical Sciences         2.0         3.3         5.5         8.8           40. Physical Sciences         2.0         3.3         5.5         8.8           aw Cluster         2.0         2.2         4.4         4.4           22. Legal Professions and Studies         2.0         3.3         5.5         8.8           04. Architecture         2.0<					
50. Visual & Performing Arts         1.5       2.75       5.5       5.5         rades/Tech Cluster       2.0       2.75         46. Construction Trades       2.0       2.75         47. Mechanic Repair Technologies/Technicians       2.0       2.75         48. Precision Production       2.0       2.75         49. Transportation & Materials Moving       2.0       2.75         Ciences Cluster       2.0       3.3       5.5       8.8         01. Agricultural, Agriculture Operations & related sciences       2.0       3.3       5.5       8.8         03. Natural Resources & Conservation       2.0       3.3       5.5       8.8         11. Computer & Information Sciences & Support Services       2.0       3.3       5.5       8.8         26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         4. Engineering/Architecture Cluster       2.0       3.3	43. Security and Protective Services	1.5	2.2	3.3	4.4
rades/Tech Cluster       2.0       2.75         46. Construction Trades       2.0       2.75         47. Mechanic Repair Technologies/Technicians       2.0       2.75         48. Precision Production       2.0       2.75         49. Transportation & Materials Moving       2.0       2.75         Ceiences Cluster       2.0       3.3       5.5       8.8         01. Agricultural, Agriculture Operations & related sciences       2.0       3.3       5.5       8.8         03. Natural Resources & Conservation       2.0       3.3       5.5       8.8         11. Computer & Information Sciences & Support Services       2.0       3.3       5.5       8.8         26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         aw Cluster       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0	/isual and Performing Arts Cluster				
46. Construction Trades       2.0       2.75         47. Mechanic Repair Technologies/Technicians       2.0       2.75         48. Precision Production       2.0       2.75         49. Transportation & Materials Moving       2.0       2.75         Ciences Cluster       2.0       3.3       5.5         O1. Agricultural, Agriculture Operations & related sciences       2.0       3.3       5.5       8.8         03. Natural Resources & Conservation       2.0       3.3       5.5       8.8         11. Computer & Information Sciences & Support Services       2.0       3.3       5.5       8.8         26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         aw Cluster       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         Ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       2.2       5.5       6.6	50. Visual & Performing Arts	1.5	2.75	5.5	5.5
47. Mechanic Repair Technologies/Technicians       2.0       2.75         48. Precision Production       2.0       2.75         49. Transportation & Materials Moving       2.0       2.75         Cciences Cluster       2.0       3.3       5.5       8.8         O1. Agricultural, Agriculture Operations & related sciences       2.0       3.3       5.5       8.8         03. Natural Resources & Conservation       2.0       3.3       5.5       8.8         11. Computer & Information Sciences & Support Services       2.0       3.3       5.5       8.8         26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         aw Cluster       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         10. Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       2.2       5.5 <t< td=""><td>rades/Tech Cluster</td><td>2.0</td><td>2.75</td><td></td><td></td></t<>	rades/Tech Cluster	2.0	2.75		
47. Mechanic Repair Technologies/Technicians       2.0       2.75         48. Precision Production       2.0       2.75         49. Transportation & Materials Moving       2.0       2.75         Ceiences Cluster       2.0       3.3       5.5       8.8         01. Agricultural, Agriculture Operations & related sciences       2.0       3.3       5.5       8.8         03. Natural Resources & Conservation       2.0       3.3       5.5       8.8         11. Computer & Information Sciences & Support Services       2.0       3.3       5.5       8.8         26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         aw Cluster       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8     <		2.0	2.75		
48. Precision Production       2.0       2.75         49. Transportation & Materials Moving       2.0       2.75         Ciences Cluster       2.0       3.3       5.5       8.8         01. Agricultural, Agriculture Operations & related sciences       2.0       3.3       5.5       8.8         03. Natural Resources & Conservation       2.0       3.3       5.5       8.8         11. Computer & Information Sciences & Support Services       2.0       3.3       5.5       8.8         26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         aw Cluster       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         Ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         16. Eath Cluster       2.0       2.2       5.5       6.6 <td>47. Mechanic Repair Technologies/Technicians</td> <td>2.0</td> <td>2.75</td> <td></td> <td></td>	47. Mechanic Repair Technologies/Technicians	2.0	2.75		
Cciences Cluster       2.0       3.3       5.5       8.8         01. Agricultural, Agriculture Operations & related sciences       2.0       3.3       5.5       8.8         03. Natural Resources & Conservation       2.0       3.3       5.5       8.8         11. Computer & Information Sciences & Support Services       2.0       3.3       5.5       8.8         26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         aw Cluster       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         Ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         16. Ellth Cluster       2.0       2.2       5.5       6.6		2.0	2.75		
01. Agricultural, Agriculture Operations & related sciences       2.0       3.3       5.5       8.8         03. Natural Resources & Conservation       2.0       3.3       5.5       8.8         11. Computer & Information Sciences & Support Services       2.0       3.3       5.5       8.8         26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         aw Cluster       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         Ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         1ealth Cluster       2.0       2.2       5.5       6.6	49. Transportation & Materials Moving	2.0	2.75		
01. Agricultural, Agriculture Operations & related sciences       2.0       3.3       5.5       8.8         03. Natural Resources & Conservation       2.0       3.3       5.5       8.8         11. Computer & Information Sciences & Support Services       2.0       3.3       5.5       8.8         26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         aw Cluster       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         Ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         1ealth Cluster       2.0       2.2       5.5       6.6	Sciences Cluster	2.0	3.3	5.5	8.8
03. Natural Resources & Conservation       2.0       3.3       5.5       8.8         11. Computer & Information Sciences & Support Services       2.0       3.3       5.5       8.8         26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         aw Cluster       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         Ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         16. Elegalth Cluster       2.0       2.2       5.5       6.6					8.8
11. Computer & Information Sciences & Support Services       2.0       3.3       5.5       8.8         26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         aw Cluster       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         Ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         1ealth Cluster       2.0       2.2       5.5       6.6			3.3	5.5	8.8
26. Biological & Biomedical Sciences       2.0       3.3       5.5       8.8         40. Physical Sciences       2.0       3.3       5.5       8.8         aw Cluster       2.0       2.2       4.4       4.4         22. Legal Professions and Studies       2.0       2.2       4.4       4.4         Ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         16alth Cluster       2.0       2.2       5.5       6.6	11. Computer & Information Sciences & Support Services				8.8
40. Physical Sciences  2.0 3.3 5.5 8.8  aw Cluster 2.0 2.2 4.4 4.4 22. Legal Professions and Studies 2.0 2.2 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4.4	·				
22. Legal Professions and Studies       2.0       2.2       4.4       4.4         Ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         Iealth Cluster       2.0       2.2       5.5       6.6		2.0	3.3	5.5	8.8
22. Legal Professions and Studies       2.0       2.2       4.4       4.4         Ingineering/Architecture Cluster       2.0       3.3       5.5       8.8         04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         Iealth Cluster       2.0       2.2       5.5       6.6	.aw Cluster	2.0	2.2	4.4	4.4
04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         lealth Cluster       2.0       2.2       5.5       6.6					
04. Architecture       2.0       3.3       5.5       8.8         14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         lealth Cluster       2.0       2.2       5.5       6.6	Engineering/Architecture Cluster	2.0	3.3	5.5	8.8
14. Engineering       2.0       3.3       5.5       8.8         15. Engineering Technologies/Technicians       2.0       3.3       5.5       8.8         lealth Cluster       2.0       2.2       5.5       6.6					
15. Engineering Technologies/Technicians 2.0 3.3 5.5 8.8 lealth Cluster 2.0 2.2 5.5 6.6		2.0		5.5	8.8
					8.8
	Health Cluster	2.0	2.2	<u>5.5</u>	6.6
	51. Nursing, Allied Health, Health Professions	2.0		5.5	

The instructional matrix is divided into eleven discipline clusters that are assigned weights for various course levels (e.g. lower division, upper division, master's, doctoral) using relative cost data from studies conducted in Texas, Illinois, Ohio and Florida. These are states that have successfully used cost studies in formula funding. The matrix is then applied to completions using the NSHE course taxonomy. This matrix assigns weights based on a student's progression to degree completion (e.g. upper division is weighted more than lower division, etc.) and will further provide for funding based on the discipline cluster as recommended by NCHEMS (e.g. clinical and science, technology, engineering and math (STEM) fields will have greater weights than liberal arts).

The completed student credit hours are multiplied by the weight assigned in the instructional matrix to determine the weighted student credit hours for each institution. Weighted student credit hours (WSCH) for each institution will be multiplied by an average *price* that will initially be determined based on the current state appropriation less the cost of any adjustments for small institutions and O&M costs directly related to university research facilities. This average *price* is the amount the formula will generate for each weighted student credit hour – effectively establishing a system-wide price for course completions. The average *price* will be applied to the institutional WSCH to determine base funding for each institution.

# **APPENDIX B**

## **NSHE PERFORMANCE POOL MODEL FOR CONSIDERATION** (v23)

			UNLV
OUTCOMES	Weights	UNLV	Weighted
			Pts.
Bachelor's Degrees	30%		0.0
At-Risk Bachelor's Graduates (? x .4)	11		0.0
Master's and Doctoral Degrees	10%	ال 12	0.0
At-Risk Master's and Doctoral Graduates (? x .4)	11	Pending 11.21.12	0.0
Sponsored/External Research Expenditures in \$100,000's	15%	Data Pel as of 11.	0.0
Transfer Students w/a transferable associate's degree	5%		0.0
Efficiency - Awards per 100 FTE	20%	Ds	0.0
Economic Development (STEM and Allied Health) Graduates	20%		0.0
Economic Development (business and management) Graduates	11		0.0
TOTAL WEIGHTED POINTS	100%		0.0

### UNR PERFORMANCE POOL - OUTCOMES AND POINTS (2011-12)

			UNR
OUTCOMES	Weights	UNR	Weighted
			Pts.
Bachelor's Degrees	30%		0.0
At-Risk Bachelor's Graduates (? x .4)	"		0.0
Master's and Doctoral Degrees	10%	ng 12	0.0
At-Risk Master's and Doctoral Graduates (? x .4)	11	Pending 11.21.12	0.0
Sponsored/External Research Expenditures in \$100,000's	15%	Ре <sub>!</sub>	0.0
Transfer Students w/a transferable associate's degree	5%	Data as of	0.0
Efficiency - Awards per 100 FTE	20%	Dž as	0.0
Economic Development (STEM and Allied Health) Graduates	20%		0.0
Economic Development (psychology) Graduates	11		0
TOTAL WEIGHTED POINTS	100%		0.0

#### NSC PERFORMANCE POOL - OUTCOMES AND POINTS (2011-12)

OUTCOMES	Weights	NSC	NSC Weighted Pts.
Bachelor's Degrees	50%		0.0
At-Risk Bachelor's Graduates (? x .4)	11	12 12	0.0
Gateway Course Completers	5%	Pending 11.21.12	0.0
Transfer Students w/a transferable associate's degree	5%	Per 11.	0.0
Efficiency - Awards per 100 FTE	20%	Data as of	0.0
Economic Development (STEM and Allied Health) Graduates	20%	as	0.0
Economic Development (business and management) Graduates	11		0.0
TOTAL WEIGHTED POINTS	100%		0.0

## **APPENDIX B**

#### **NSHE PERFORMANCE POOL MODEL FOR CONSIDERATION** (v23)

#### **CSN PERFORMANCE POOL - OUTCOMES AND POINTS (2011-12)**

			CSN
OUTCOMES	Weights	CSN	Weighted
			Pts.
1 to 2 Year Certificate	10%		0.0
At-Risk Certificate Recipients (? x .4)	"		0.0
Associate's and Bachelor's Degrees	30%	ng 12	0.0
At-Risk Associate's and Bachelor's Graduates (? x .4)	11	Pending 11.21.12	0.0
Transfer Students w/24 credits or associate's degree	10%	Data Per as of 11.	0.0
Efficiency - Awards per 100 FTE	20%		0.0
Gateway Course Completers	10%	Dg as	0.0
Economic Development (STEM and Allied Health) Graduates	20%		0.0
Economic Development (business and management) Graduates	u		0.0
TOTAL WEIGHTED POINTS	100%		0.0

#### GBC PERFORMANCE POOL - OUTCOMES AND POINTS (2011-12)

			GBC
OUTCOMES	Weights	GBC	Weighted
			Pts.
1 to 2 Year Certificate	10%		0.0
At-Risk Certificate Recipients (? x .4)	"		0.0
Associate's and Bachelor's Degrees	30%	الا 12	0.0
At-Risk Associate's and Bachelor's Graduates (? x .4)	11	Pending 11.21.12	0.0
Transfer Students w/24 credits or associate's degree	10%	Data Per as of 11.	0.0
Efficiency - Awards per 100 FTE	20%		0.0
Gateway Course Completers	10%	Dž as	0.0
Economic Development (STEM and Allied Health) Graduates	20%		0.0
Economic Development (mechanic and repair technologies) Graduates	11		0.0
TOTAL WEIGHTED POINTS	100%		0.0

#### TMCC PERFORMANCE POOL - OUTCOMES AND POINTS (2011-12)

			TMCC
OUTCOMES	Weights	TMCC	Weighted
			Pts.
1 to 2 Year Certificate	10%		0.0
At-Risk Certificate Recipients (? x .4)	"		0.0
Associate's Degrees	30%	12 12	0.0
At-Risk Associate's Graduates (? x .4)	"	Pending 11.21.12	0.0
Transfer Students w/24 credits or associate's degree	10%	Per 11.	0.0
Efficiency - Awards per 100 FTE	20%	Data as of	0.0
Gateway Course Completers	10%	as	0.0
Economic Development (STEM and Allied Health) Graduates	20%		0.0
Economic Development (precision production) Graduates	11		0.0
TOTAL WEIGHTED POINTS	100%		0.0

# <u>APPENDIX B</u>

## **NSHE PERFORMANCE POOL MODEL FOR CONSIDERATION** (v23)

## WNC PERFORMANCE POOL - OUTCOMES AND POINTS (2011-12)

			WNC
OUTCOMES	Weights	WNC	Weighted
			Pts.
1 to 2 Year Certificate	10%		0.0
At-Risk Certificate Recipients (? x .4)	"		0.0
Associate's and Bachelor's Degrees	30%	∩g 12	0.0
At-Risk Associate's and Bachelor's Graduates (? x .4)	"	Pending 11.21.12	0.0
Transfer Students w/24 credits or associate's degree	10%	ata of	0.0
Efficiency - Awards per 100 FTE	20%		0.0
Gateway Course Completers	10%	Di as	0.0
Economic Development (STEM and Allied Health) Graduates	20%		0.0
Economic Development (construction trades) Graduates	11		0.0
TOTAL WEIGHTED POINTS	100%		0.0

# <u>APPENDIX B</u>

#### Performance Pool Outcomes - Data Definitions

Outcome	Definitions
1 to 2 year Certificate	The total number of certificates requiring 30 or more credit hours granted during an academic year. Students earning multiple certificates in an academic year will have each earned certificate count as a separate outcome. An additional weight of .4 per certificate awarded to a minority or Pell eligible student is applied.
Associate's Degrees	The total number of associate's degrees conferred during an academic year. Students earning multiple degrees in an academic year will have each earned degree count as a separate outcome. An additional weight of .4 per associate's degree awarded to a minority or Pell eligible student is applied.
Bachelor's Degrees	The total number of bachelor's degrees conferred during an academic year. Students earning multiple degrees in an academic year will have each earned degree count as a separate outcome. An additional weight of .4 per bachelor's degree awarded to a minority or Pell eligible student is applied.
Master's Degrees	The total number of master's degrees conferred during an academic year. Students earning multiple degrees in an academic year will have each earned degree count as a separate outcome. An additional weight of .4 per master's degree awarded to a minority student is applied. (Graduate students are not Pell eligible.)
Doctoral Degrees	The total number of doctoral degrees conferred during an academic year. First-professional degrees (medical, dental, law) are not included. Students earning multiple degrees in an academic year will have each earned degree count as a separate outcome. An additional weight of .4 per doctoral degree awarded to a minority student is applied. (Graduate students are not Pell eligible.)
Transfer Students w/a Transferable Associate's Degree	Total number of students transferred to a 4-year institution with a transferable associate's degree from an NSHE community college.
Transfer Students w/24 credits or Associate's Degree	The total number of students who enrolled at a four -year institution during the fall or spring semester of a given reporting year who had earned at least 24 credits or a transferable associate's degree at a community college prior to the reporting year. Students are excluded if they are co-enrolled at a 4-year institution and a 2-year institution during the term in which they otherwise would have been included as a transfer student. (Excludes courses from the 24 credit count if the grades are AU, AD, NR, ND, X, I, F, U, W.)
Efficiency - Awards per 100 FTE	The number of bachelor's, master's and doctoral awards per 100 FTE at 4-year institutions and the number of certificates, associate's and bachelor's (where applicable) per 100 FTE at the 2-year institutions.
Sponsored/External Research Expenditures	The total amount expended on sponsored programs/projects of research and other scholarly activities for the fiscal year. This amount includes federal, federal pass-through, State of Nevada, other state and local government, private for-profit, private non-profit. Other scholarly activity includes the instructional, public service, student services, and "other" functional grant categories, including workforce development. The figures exclude the scholarship/fellowship category.
Gateway Course Completers	The total number of students (unduplicated) who successfully completed a college-level English or mathematics course (grad C- and above) in the reporting year.
Economic Development - STEM and Allied Health Graduates	Total number of certificates, associate's, bachelor's, master's, or doctoral degrees awarded (first professional awards are excluded) in an academic year based on CIP codes for STEM and health professionals as identified by NCHEMS for the NGA metrics. (CIPs: 4 - architecture and related services; 11 - computer and information sciences and support services; 14 - engineering; 15 - engineering technologies/technicians; 26 - biological and biomedical sciences; 27 - mathematics and statistics; 40 - physical sciences; 41 - science technologies/technicians; and 51 - health professions and related clinical sciences)
Economic Development - Institution Selected Discipline	Total number of certificates, associate's, bachelor's, master's, or doctoral degrees awarded (first professional awards are excluded) in an academic year based on CIP code selected by the institution which aligns with the state's economic development plan. (UNLV- 52 Business, Management, and Related Support Services; UNR- 42 Psychology; NSC- 52 Business, Management, and Related Support Services; CSN- 52 Business, Management, and Related Support Services; GBC - 47 Mechanic and Repair Technologies/Technician; TMCC- 48 Precision Production; WNC- 46 Construction Trades.)

# APPENDIX C - SCHEDULE C (REVISED)

Formula Funding Request 2013-15 Biennium

General Fund Only State Budget with adjs for small Institution factor and univs O&M research space

WSCH for Resident Credit Hours only - FY12 actual SCH (summer, fall, spring) projected flat to FY14 and FY15

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	FY 13	FY 14	FY 15	FY 14	FY 15			FY 14	FY 15	FY 14	FY 15	FY 14	FY 15	FY 14	FY 15	FY 14	FY 15	FY 14	FY 15
	Oper Budget	Oper Budget	Oper Budget	WSCH	WSCH	FY 14	FY 15	Small Instit	Small Instit	0&M	O&M	Gen Fund	Gen Fund	GF Incr/Decr	GF Incr/Decr	M-200	M-200	Harmless	Harmless
Formula Budgets	Gen Fund	Gen Fund	Gen Fund	w/o NRSCH	w/o NRSCH	\$/WSCH	\$/WSCH	Factor	Factor	Research Space	Research Space	Distribution	Distribution	over FY13 GF	over FY13 GF	Reallocation	Reallocation	over FY14 GF	over FY15 GF
UNR	91,404,757	91,404,757	91,404,757	619,941	619,941	\$136.88	\$136.88			3,582,891	3,582,891	88,441,570	88,441,570	(2,963,187)	(2,963,187)	(2,963,187)	(2,963,187)	2,963,187	2,963,187
UNLV	123,590,871	123,590,871	123,590,871	886,813	886,813	\$136.88	\$136.88			3,218,775	3,218,775	124,607,391	124,607,391	1,016,520	1,016,520	1,016,520	1,016,520	0	0
CSN	77,587,864	77,587,864	77,587,864	626,677	626,677	\$136.88	\$136.88					85,780,715	85,780,715	8,192,851	8,192,851	8,192,851	8,192,851	0	0
GBC	14,031,554	14,031,554	14,031,554	60,769	60,769	\$136.88	\$136.88	1,176,930	1,176,930			9,495,104	9,495,104	(4,536,450)	(4,536,450)	(4,536,450)	(4,536,450)	4,536,450	4,536,450
TMCC	30,603,292	30,603,292	30,603,292	214,603	214,603	\$136.88	\$136.88					29,375,258	29,375,258	(1,228,034)	(1,228,034)	(1,228,034)	(1,228,034)	1,228,034	1,228,034
WNC	15,029,964	15,029,964	15,029,964	74,414	74,414	\$136.88	\$136.88	767,580	767,580			10,953,507	10,953,507	(4,076,457)	(4,076,457)	(4,076,457)	(4,076,457)	4,076,457	4,076,457
NSC	9,111,439	9,111,439	9,111,439	92,826	92,826	\$136.88	\$136.88					12,706,196	12,706,196	3,594,757	3,594,757	3,594,757	3,594,757	0	0
Sub-Total FB's	361,359,741	361,359,741	361,359,741	2,576,043	2,576,043			1,944,510	1,944,510	6,801,666	6,801,666	361,359,741	361,359,741	(0)	(0)	(0)	(0)	12,804,128	12,804,128
Non-Formula Budgets																			
System Administration	4,568,280	4,568,280	4,568,280									4,568,280	4,568,280	0	0				
University Press	411,820	411,820	411,820									411,820	411,820	0	0				
Special Projects	1,946,486	1,946,486	1,946,486									1,946,486	1,946,486	0	0				
System Comp Services	16,669,848	16,669,848	16,669,848									16,669,848	16,669,848	0	0				
WICHE	878,241	878,241	878,241									878,241	878,241	0	0				
UNR Non-Formula Budgets	22,354,757	22,354,757	22,354,757									22,354,757	22,354,757	0	0				
School of Medicine	29,906,780	29,906,780	29,906,780									29,906,780	29,906,780	0	0				
State Health Lab	1,518,320	1,518,320	1,518,320									1,518,320	1,518,320	0	0				
UNLV Non-Formula Budgets	11,381,970	11,381,970	11,381,970									11,381,970	11,381,970	0	0				
Law School	6,909,123	6,909,123	6,909,123									6,909,123	6,909,123	0	0				
Dental School	7,005,286	7,005,286	7,005,286									7,005,286	7,005,286	0	0				
Perkins Loans	35,793	35,793	35,793									35,793	35,793	0	0				
Desert Research Institute	7,421,572	7,421,572	7,421,572									7,421,572	7,421,572	0	0				
Sub-Total NFB's	111,008,276	111,008,276	111,008,276									111,008,276	111,008,276	0	0				
Total NSHE GF Revenues	472,368,017	472,368,017	472,368,017	]								472,368,017	472,368,017	(0)	(0)				
Total Formula Budgets	361,359,741	361,359,741	361,359,741	1															
Less: SIF & O&M carve out		8,746,176	8,746,176																

WSCH - Weighted Student Credit Hours

Net GF allocation-formula budgets

Total WSCH

\$/WSCH

NRSCH - Non Resident Student Credit Hours

Small Institution Factor - \$1.5M Cap phased out between 50K to 100K WSCH

O&M Carve out - State funded dedicated research space

Research factor of 1.10 applied against univs upper division and graduate course level discipline weights

352,613,565

2,576,043

\$136.88

352,613,565

2,576,043

\$136.88

Resident students credit hours only

WSCH projection methodology - FY12 actual WSCH projected to FY14 and FY15

Schedule projects FY13 adjusted GF flat through FY14 and FY15 and doesn't include any budet adjustments. The schedule will be adjusted based on Governor's recommendations and Legislative actions.