

**Career and Technical Education Clusters and Pathways**  
**Routes to Endorsements: Tests**

	Current tests	Cut Score	Proposed Test Changes	Cut Score
<b>Agriculture Food and Natural Resources</b>				
AFNR Cluster <b>ARSD 24:28:19:17</b> <b>ARSD 24:28:20:20</b> <b>ARSD 24:28:21:21</b> <b>ARSD 24:28:22:21</b> <b>ARSD 24:28:23:17</b> <b>ARSD 24:28:24:17</b> <b>ARSD 24:28:25:17</b>	Praxis 5701 Agriculture	147		
Agribusiness Pathway <b>ARSD 24:28:19:18</b> <b>ARSD 24:28:20:21</b> <b>ARSD 24:28:21:22</b> <b>ARSD 24:28:22:22</b> <b>ARSD 24:28:23:18</b> <b>ARSD 24:28:24:18</b> <b>ARSD 24:28:25:18</b>			Add NOCTI 5185 <a href="#">Production Agriculture</a>	55.7
Animals Systems Pathway <b>ARSD 24:28:19:18</b> <b>ARSD 24:28:20:21</b> <b>ARSD 24:28:21:22</b> <b>ARSD 24:28:22:22</b> <b>ARSD 24:28:23:18</b> <b>ARSD 24:28:24:18</b> <b>ARSD 24:28:25:18</b>			Add NOCTI 5185 <a href="#">Production Agriculture</a>	55.7
CASE Pathway	NA		NA	

**Current Tests**

**Proposed Test Changes**

<p>Food Products and Processing Pathway  <b>ARSD 24:28:19:18</b>  <b>ARSD 24:28:20:21</b>  <b>ARSD 24:28:21:22</b>  <b>ARSD 24:28:22:22</b>  <b>ARSD 24:28:23:18</b>  <b>ARSD 24:28:24:18</b>  <b>ARSD 24:28:25:18</b></p>			<p>Add NOCTI 5915 <a href="#">Pre-Engineering/Engineering Technology</a></p>	<p>63.0</p>
<p>Natural Resources and Environmental Service Pathway</p>	<p>NA</p>		<p>NA</p>	
<p>Plant Systems Pathway  <b>ARSD 24:28:19:15</b>  <b>ARSD 24:28:20:18</b>  <b>ARSD 24:28:21:19</b>  <b>ARSD 24:28:22:19</b>  <b>ARSD 24:28:23:15</b>  <b>ARSD 24:28:24:15</b>  <b>ARSD 24:28:25:15</b></p>			<p>Add NOCTI 5185 <a href="#">Production Agriculture</a></p>	<p>55.7</p>
<p>Power Structural and Technical Systems Pathway  <b>ARSD 24:28:19:18</b>  <b>ARSD 24:28:20:21</b>  <b>ARSD 24:28:21:22</b>  <b>ARSD 24:28:22:22</b>  <b>ARSD 24:28:23:18</b>  <b>ARSD 24:28:24:18</b>  <b>ARSD 24:28:25:18</b></p>	<p>NOCTI 5181 Agriculture Mechanics</p>	<p>57.0</p>	<p>Add NOCTI 5477 <a href="#">Small Engine Technology</a>  Add NOCTI 5463 <a href="#">Building Construction Occupations</a>  Add NOCTI 5479 <a href="#">Welding</a></p>	<p>68.3  66.1  55.1</p>

**Current Tests**

**Proposed Test Changes**

Architecture and Construction				
A & C Cluster ARSD 24:28:19:17 ARSD 24:28:20:20 ARSD 24:28:21:21 ARSD 24:28:22:21 ARSD 24:28:23:17 ARSD 24:28:24:17 ARSD 24:28:25:17	Praxis 5051 Technology Education  Praxis 5053 Technology & Engineering Education	154  157		
Design and Pre-Construction Pathway ARSD 24:28:19:18 ARSD 24:28:20:21 ARSD 24:28:21:22 ARSD 24:28:22:22 ARSD 24:28:23:18 ARSD 24:28:24:18 ARSD 24:28:25:18	NOCTI 5920 Architectural Drafting	59.0	Update 5920 to NOCTI 5980 <a href="#">Architectural Drafting</a>	56.1
Construction Pathway ARSD 24:28:19:18 ARSD 24:28:20:21 ARSD 24:28:21:22 ARSD 24:28:22:22 ARSD 24:28:23:18 ARSD 24:28:24:18 ARSD 24:28:25:18	NOCTI 5263 Building Construction Occupations	71.0	Update 5263 to NOCTI 5463 <a href="#">Building Construction Occupations</a>  Add NOCTI 5264 <a href="#">Building Trades Maintenance</a>	66.1  66.8

**Current Tests**

**Proposed Test Changes**

Arts, A/V Technology & Communications				
Arts, A/V & C Cluster ARSD 24:28:19:17 ARSD 24:28:20:20 ARSD 24:28:21:21 ARSD 24:28:22:21 ARSD 24:24:23:17 ARSD 24:28:24:17 ARSD 24:28:25:17				
Audio Video Technology and Film Pathway ARSD 24:28:19:22 ARSD 24:28:20:25 ARSD 24:28:21:26 ARSD 24:28:22:26 ARSD 24:28:23:22 ARSD 24:28:24:22 ARSD 24:28:25:22	NOCTI 5904 Audiovisual Communication Technology	71.1	Update 5904 to NOCTI 5972 <a href="#">Audio-Visual Communications Technology</a>	71.4
Journalism and Broadcasting Pathway ARSD 24:28:19:22 ARSD 24:28:20:25 ARSD 24:28:21:26 ARSD 24:28:22:26 ARSD 24:28:23:22 ARSD 24:28:24:22 ARSD 24:28:25:22	NOCTI 5186 Television Production	55.9		
Visual Arts Pathway ARSD 24:28:19:22 ARSD 24:28:20:25 ARSD 24:28:21:26 ARSD 24:28:22:26	NOCTI 5261 Advertising and Design	68.2	Update 5261 to NOCTI 5319 <a href="#">Advertising and Design</a>  Add NOCTI 5972 <a href="#">Audio-Visual Communications Technology</a>	62.0  71.4

**Current Tests**

**Proposed Test Changes**

ARSD 24:28:23:22 ARSD 24:28:24:22 ARSD 24:28:25:22				
<b>Business Management and Administration</b>				
BM & A Cluster ARSD 24:28:19:17 ARSD 24:28:20:20 ARSD 24:28:21:21 ARSD 24:28:22:21 ARSD 24:28:23:17 ARSD 24:28:24:17 ARSD 24:28:25:17	Praxis 5101 Business Education	148		
Accounting Pathway ARSD 24:28:19:18 ARSD 24:28:20:21 ARSD 24:28:21:22 ARSD 24:28:22:22 ARSD 24:28:23:18 ARSD 24:28:24:18 ARSD 24:28:25:18	NOCTI 5180 Accounting	60.8		
Banking Services and Business Finance Pathway ARSD 24:28:19:18 ARSD 24:28:20:21 ARSD 24:28:21:22 ARSD 24:28:22:22 ARSD 24:28:23:18 ARSD 24:28:24:18 ARSD 24:28:25:18				

**Current Tests**

**Proposed Test Changes**

<p>Business Marketing and Management Pathway  <b>ARSD 24:28:19:18</b>  <b>ARSD 24:28:20:21</b>  <b>ARSD 24:28:21:22</b>  <b>ARSD 24:28:22:22</b>  <b>ARSD 24:28:23:18</b>  <b>ARSD 24:28:24:18</b>  <b>ARSD 24:28:25:18</b></p>	<p>Praxis 5561 Marketing Education</p>	<p>158</p>		
<b>Education and Training</b>				
<p>Education and Training Cluster  <b>ARSD 24:28:19:18</b>  <b>ARSD 24:28:20:21</b>  <b>ARSD 24:28:21:22</b>  <b>ARSD 24:28:22:22</b>  <b>ARSD 24:28:23:18</b>  <b>ARSD 24:28:24:18</b>  <b>ARSD 24:28:25:18</b></p>	<p>Praxis 5122 Family and Consumer Science                   Praxis 5123 Family and Consumer Science</p>	<p>153                   151</p>		
<p>Early Childhood Development Pathway  <b>ARSD 24:28:19:10</b>  <b>ARSD 24:28:20:21</b>  <b>ARSD 24:28:21:22</b>  <b>ARSD 24:28:22:22</b>  <b>ARSD 24:28:23:18</b>  <b>ARSD 24:28:24:10</b>  <b>ARSD 24:28:25:18</b></p>	<p>NOCTI 5183 Early Childhood Education and Care</p>	<p>62.0</p>	<p><i>Update 5183 to NOCTI 5283 <a href="#">Early Childhood Education &amp; Care</a></i></p>	<p>66.6</p>

**Current Tests**

**Proposed Test Changes**

Family and Consumer Science				
FACS Cluster <b>ARSD 24:28:19:17</b> <b>ARSD 24:28:20:20</b> <b>ARSD 24:28:21:21</b> <b>ARSD 24:28:22:21</b> <b>ARSD 24:28:23:17</b> <b>ARSD 24:28:24:17</b> <b>ARSD 24:28:25:17</b>	Praxis 5122 Family and Consumer Science  Praxis 5123 Family and Consumer Science	153  151		
<b>Finance</b>				
Finance Cluster <b>ARSD 24:28:19:17</b> <b>ARSD 24:28:20:20</b> <b>ARSD 24:28:21:21</b> <b>ARSD 24:28:22:21</b> <b>ARSD 24:28:23:17</b> <b>ARSD 24:28:24:17</b> <b>ARSD 24:28:25:17</b>	Praxis 5101 Business Education	148		
Accounting Pathway <b>ARSD 24:28:19:18</b> <b>ARSD 24:28:20:21</b> <b>ARSD 24:28:21:22</b> <b>ARSD 24:28:22:22</b> <b>ARSD 24:28:23:18</b> <b>ARSD 24:28:24:18</b> <b>ARSD 24:28:25:18</b>	NOCTI 5180 Accounting	60.8		
Banking Services and Business Finance Pathway <b>ARSD 24:28:19:18</b> <b>ARSD 24:28:20:21</b>				

**Current Tests**

**Proposed Test Changes**

<p>ARSD 24:28:21:22                  ARSD 24:28:22:22                  ARSD 24:28:23:18                  ARSD 24:28:24:18                  ARSD 24:28:25:18</p>				
<p>Insurance Securities and Investments Pathway                  ARSD 24:28:19:18                  ARSD 24:28:20:21                  ARSD 24:28:21:22                  ARSD 24:28:22:22                  ARSD 24:28:23:18                  ARSD 24:28:24:18                  ARSD 24:28:25:18</p>				
<p>Sales, Merchandising, and Marketing Research Pathway                  ARSD 24:28:19:18                  ARSD 24:28:20:21                  ARSD 24:28:21:22                  ARSD 24:28:22:22                  ARSD 24:28:23:18                  ARSD 24:28:24:18                  ARSD 24:28:25:18</p>	<p>NOCTI 5261 Advertising and Design</p>	<p>68.2</p>	<p>Update 5261 to NOCTI 5319 <a href="#">Advertising and Design</a>                  Add NOCTI 5981 <a href="#">Retail Merchandising</a></p>	<p>62.0                  63.5</p>
<p><b>Government and Public Administration</b></p>				
<p>GPA Cluster                  ARSD 24:28:19:18                  ARSD 24:28:20:21                  ARSD 24:28:21:22                  ARSD 24:28:22:22                  ARSD 24:28:23:18                  ARSD 24:28:24:18</p>	<p>Praxis 5931 Government/Political Science</p>	<p>149</p>		

**Current Tests**

**Proposed Test Changes**

Current Tests		Proposed Test Changes		
<b>ARSD 24:28:25:18</b>				
<b>Health Science</b>				
Health Science Cluster	NA		NA	
Diagnostic Services Pathway	NA		NA	
PLTW Biomedical Science Pathway	NA		NA	
Therapeutic and Support Services Pathway	NOCTI 5273 Health Assisting	72.6	Update 5273 to NOCTI 5483 <a href="#">Health Assisting</a>	66.0
<b>ARSD 24:28:19:16</b>			Add NOCTI 5294 <a href="#">Nursing Assisting</a>	58.3
<b>ARSD 24:28:20:19</b>				
<b>ARSD 24:28:21:20</b>			Add NOCTI 5389 <a href="#">Biotechnology</a>	83.0
<b>ARSD 24:28:22:20</b>				
<b>ARSD 24:28:23:16</b>				
<b>ARSD 24:28:24:16</b>				
<b>ARSD 24:28:25:16</b>				
<b>Hospitality and Tourism</b>				
H & T Cluster				
<b>ARSD 24:28:19:17</b>			Add Praxis 5123 Family and Consumer Science	151
<b>ARSD 24:28:20:20</b>				
<b>ARSD 24:28:21:21</b>			Add Praxis 5122 Family and Consumer Science	153
<b>ARSD 24:28:22:21</b>				
<b>ARSD 24:28:23:17</b>				
<b>ARSD 24:28:24:17</b>				
<b>ARSD 24:28:25:17</b>				
Restaurant and Food Service Management Pathway	NOCTI 5167 Commercial Foods	53		
<b>ARSD 24:28:19:18</b>				
<b>ARSD 24:28:20:21</b>				
<b>ARSD 24:28:21:22</b>				
<b>ARSD 24:28:22:22</b>				

Current Tests		Proposed Test Changes		
<b>ARSD 24:28:23:18</b> <b>ARSD 24:28:24:18</b> <b>ARSD 24:28:25:18</b>				
Travel and Tourism Pathway <b>ARSD 24:28:19:18</b> <b>ARSD 24:28:20:21</b> <b>ARSD 24:28:21:22</b> <b>ARSD 24:28:22:22</b> <b>ARSD 24:28:23:18</b> <b>ARSD 24:28:24:18</b> <b>ARSD 24:28:25:18</b>	NOCTI 5927 Hospitality Management and Lodging	72.5		
<b>Human Services</b>				
Human Services Cluster <b>ARSD 24:28:19:17</b> <b>ARSD 24:28:20:20</b> <b>ARSD 24:28:21:21</b> <b>ARSD 24:28:22:21</b> <b>ARSD 24:28:23:17</b> <b>ARSD 24:28:24:17</b> <b>ARSD 24:28:25:17</b>	Praxis 5122 Family and Consumer Science  Praxis 5123 Family and Consumer Science	153  151		
Early Childhood Development Pathway <b>ARSD 24:28:19:10</b> <b>ARSD 24:28:20:21</b> <b>ARSD 24:28:21:22</b> <b>ARSD 24:28:22:22</b> <b>ARSD 24:28:23:18</b> <b>ARSD 24:28:24:10</b> <b>ARSD 24:28:25:18</b>	5183 NOCTI Early Childhood Education & Care	62	<i>Update 5183 to NOCTI 5283 <a href="#">Early Childhood Education &amp; Care</a></i>	66.6

**Current Tests**

**Proposed Test Changes**

Consumer Services Pathway <b>ARSD 24:28:19:18</b> <b>ARSD 24:28:20:21</b> <b>ARSD 24:28:21:22</b> <b>ARSD 24:28:22:22</b> <b>ARSD 24:28:23:18</b> <b>ARSD 24:28:24:18</b> <b>ARSD 24:28:25:18</b>				
Counseling, Mental Health, and Community Services Pathway	NA		NA	
<b>Information Technology</b>				
IT Cluster <b>ARSD 24:28:19:17</b> <b>ARSD 24:28:20:20</b> <b>ARSD 24:28:21:21</b> <b>ARSD 24:28:22:21</b> <b>ARSD 24:28:23:17</b> <b>ARSD 24:28:24:17</b> <b>ARSD 24:28:25:17</b>	Praxis 5652 Computer Science	142	Add NOCTI 5268 <a href="#">Computer Technology</a>	73.5
Networking Systems and Information Support Pathway <b>ARSD 24:28:19:18</b> <b>ARSD 24:28:20:21</b> <b>ARSD 24:28:21:22</b> <b>ARSD 24:28:22:22</b> <b>ARSD 24:28:23:18</b> <b>ARSD 24:28:24:18</b> <b>ARSD 24:28:25:18</b>	NOCTI 5910 Computer Networking Fundamentals	63.1	Update 5910 to NOCTI 5950 <a href="#">Computer Networking Fundamentals</a>	65.6
PLTW Computer Science Pathway	NA		NA	

**Current Tests**

**Proposed Test Changes**

<p>Programming and Software Development Pathway  <b>ARSD 24:28:19:18</b>  <b>ARSD 24:28:20:21</b>  <b>ARSD 24:28:21:22</b>  <b>ARSD 24:28:22:22</b>  <b>ARSD 24:28:23:18</b>  <b>ARSD 24:28:24:18</b>  <b>ARSD 24:28:25:18</b></p>	<p>NOCTI 5906 Computer Programming</p>	<p>81.7</p>	<p><i>Update</i> 5906 to NOCTI 5966 <a href="#">Computer Programming</a></p>	<p>69.4</p>
<p>Web and Digital Communications Pathway  <b>ARSD 24:28:19:18</b>  <b>ARSD 24:28:20:21</b>  <b>ARSD 24:28:21:22</b>  <b>ARSD 24:28:22:22</b>  <b>ARSD 24:28:23:18</b>  <b>ARSD 24:28:24:18</b>  <b>ARSD 24:28:25:18</b></p>	<p>NOCTI 5934 Web Design</p>	<p>51.8</p>	<p><i>Update</i> 5934 Web Design to NOCTI 5944 <a href="#">Web Design</a></p>	<p>56.7</p>
<p><b>Law, Public Safety, Corrections &amp; Security</b></p>				
<p>L, PS, C, &amp; S Cluster  <b>ARSD 24:28:19:13</b>  <b>ARSD 24:28:20:16</b>  <b>ARSD 24:28:21:17</b>  <b>ARSD 24:28:22:17</b>  <b>ARSD 24:28:23:13</b>  <b>ARSD 24:28:24:13</b>  <b>ARSD 24:28:25:13</b></p>	<p>NOCTI 5269 Criminal Justice</p>	<p>60.8</p>	<p><i>Update</i> 5269 Criminal Justice to NOCTI 5381 <a href="#">Criminal Justice</a></p>	<p>57.0</p>

**Current Tests**

**Proposed Test Changes**

Current Tests		Proposed Test Changes		
<b>Manufacturing</b>				
Manufacturing Cluster ARSD 24:28:19:14 ARSD 34:28:20:17 ARSD 24:28:21:18 ARSD 24:28:22:18 ARSD 24:28:23:14 ARSD 24:28:24:14 ARSD 24:28:25:14	Praxis 5051 Technology Education  Praxis 5053 Technology and Engineering Education	154  157		
Welding and Precision Machining Pathway ARSD 24:28:19:18 ARSD 24:28:20:21 ARSD 24:28:21:22 ARSD 24:28:22:22 ARSD 24:28:23:18 ARSD 24:28:24:18 ARSD 24:28:25:18	NOCTI 5279 Welding  NOCTI 5176 Precision Machining	59.5  82.9	Update 5279 to NOCTI 5479 <a href="#">Welding</a>	55.1
<b>Marketing Sales &amp; Service</b>				
Marketing, Sales and Service Cluster ARSD 24:28:19:17 ARSD 24:28:20:20 ARSD 24:28:21:21 ARSD 24:28:22:21 ARSD 24:28:23:17 ARSD 24:28:24:17 ARSD 24:28:25:17	Praxis 5561 Marketing Education	158		
Business Marketing and Management Pathway ARSD 24:28:19:18 ARSD 24:28:20:21			Add NOCTI 5319 <a href="#">Advertising and Design</a>  Add NOCTI 5981 <a href="#">Retail Merchandising</a>	62.0  63.5

**Current Tests**

**Proposed Test Changes**

<p>ARSD 24:28:21:22                  ARSD 24:28:22:22                  ARSD 24:28:23:18                  ARSD 24:28:24:18                  ARSD 24:28:25:18</p>				
<p>Sales, Merchandising,                  and Marketing Research                  Support Pathway                  ARSD 24:28:19:18                  ARSD 24:28:20:21                  ARSD 24:28:21:22                  ARSD 24:28:22:22                  ARSD 24:28:23:18                  ARSD 24:28:24:18                  ARSD 24:28:25:18</p>	<p>NOCTI 5261 Adverting and Design</p>	<p>68.2</p>	<p>Update 5261 to NOCTI 5319 <a href="#">Advertising and Design</a>                   Add NOCTI 5981 <a href="#">Retail Merchandising</a></p>	<p>62.0  63.5</p>
<p><b>Science, Technology,                  Engineering &amp;                  Mathematics</b></p>				
<p>STEM Cluster                  ARSD 24:28:19:17                  ARSD 24:28:20:20                  ARSD 24:28:21:21                  ARSD 24:28:22:21                  ARSD 24:28:23:17                  ARSD 24:28:24:17                  ARSD 24:28:25:17</p>	<p>Praxis 5051 Technology Education                   Praxis 5053 Technology and Engineering Education</p>	<p>154  157</p>		
<p>Aviation Pathway</p>	<p>NA</p>		<p>NA</p>	
<p>Energy Pathway</p>	<p>NA</p>		<p>NA</p>	
<p>Engineering and                  Robotics Pathway</p>	<p>NA</p>		<p>NA</p>	
<p>PLTW Engineering                  Pathway</p>	<p>NA</p>		<p>NA</p>	

**Current Tests**

**Proposed Test Changes**

Transportation, Distribution & Logistics				
T, D, and L Cluster <b>ARSD 24:28:19:17</b> <b>ARSD 24:28:20:20</b> <b>ARSD 24:28:21:21</b> <b>ARSD 24:28:22:21</b> <b>ARSD 24:28:23:17</b> <b>ARSD 24:28:24:17</b> <b>ARSD 24:28:25:17</b>			Add Praxis 5053 Technology and Engineering Education	157
Auto Body Technology Pathway <b>ARSD 24:28:19:22</b> <b>ARSD 24:28:20:25</b> <b>ARSD 24:28:21:26</b> <b>ARSD 24:28:22:26</b> <b>ARSD 24:28:23:22</b> <b>ARSD 24:28:24:22</b> <b>ARSD 24:28:25:22</b>	NOCTI 5266 Collision Repair and Refinishing	73.7	Update 5266 to NOCTI 5366 <a href="#">Collision Repair and Refinishing Technology</a>	53.5
Automotive Technology Pathway <b>ARSD 24:28:19:22</b> <b>ARSD 24:28:20:25</b> <b>ARSD 24:28:21:26</b> <b>ARSD 24:28:22:26</b> <b>ARSD 24:28:23:22</b> <b>ARSD 24:28:24:22</b> <b>ARSD 24:28:25:22</b>	NOCTI 5262 Automotive Technician	65.5		