



Next Level Programs of Study 2021-2022 Program Categorizations and Funding Levels

The following list of courses details the program categorizations and funding levels for Next Level Programs of Study courses available in the 2021-2022 school year. A brief description of how the program categorizations were determined is included below. For your reference, the 2021-2022 CTE funding memo with funding levels for courses included in the 2021-2022 Course Title and Descriptions can be accessed [here](#).

Funding Methodology: In cases where NLPS courses do not have a corresponding current course, an interim crosswalk developed by DWD was utilized to determine course funding categories.

NLPS courses that have a single corresponding current course/pathway were categorized using the same demand and wage data as the corresponding course/pathway. For example, the NLPS courses within the Welding pathway (Principles of Welding, Shielded Metal Arc Welding, and Gas Welding Processes) utilized the same demand and wage data as the current Level 1 course (Welding Technology I). This results in all 3 NLPS courses being funded at the same level and within the same category as Welding Technology I.

In situations where an NLPS course corresponds with multiple current courses/pathways, the funding category was determined by calculating the mean flame rating score from the entry level course (Perkins V Concentrator A course) in each applicable pathway.

Subject Area	Course Number	High School Subject Area and Course Title	Credits	Max # Credits	Funding Category	Funding Level
Advanced Manufacturing	7103	Advanced Manufacturing Technology	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	7107	Advanced Precision Machining	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	7100	Digital Manufacturing Systems	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	7101	Gas Welding Processes	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	7102	Industrial Electrical Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	7104	Industrial Mechanical Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	7106	Mechatronics Systems	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	7105	Precision Machining Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	7108	Principles of Advanced Manufacturing	1 cr per sem/ 2 sem reqd	2	High Value	Level I

Advanced Manufacturing	7220	Principles of Industry 4.0 and Digital Manufacturing	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	7109	Principles of Precision Machining	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	7110	Principles of Welding Technology	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	4728	Robotics Design and Innovation	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Advanced Manufacturing	7111	Shielded Metal Arc Welding	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Agriculture	5070	Advanced Life Science, Animals (L)	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Agriculture	5074	Advanced Life Science, Plants and Soils (L)	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Agriculture	5072	Advanced Life Science: Foods	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Agriculture	5088	Agriculture Power, Structure, and Technology	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Agriculture	7112	Agriculture Structures Fabrication and Design	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Agriculture	5008	Animal Science	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Agriculture	7113	Crop Management	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Agriculture	5102	Food Science	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Agriculture	7114	Greenhouse and Soilless Production	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
Agriculture	5132	Horticultural Science	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
Agriculture	7115	Landscape and Turf Management	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Agriculture	5170	Plant and Soil Science	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Agriculture	7116	Precision Agriculture	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Agriculture	7117	Principles of Agriculture	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Architecture and Construction	7118	Advanced Civil Construction	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Architecture and Construction	7119	Advanced Electrical	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Architecture and Construction	7120	Advanced Plumbing and Pipefitting	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Architecture and Construction	7121	Civil Construction Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I

Architecture and Construction	7122	Construction Trades: Framing and Finishing	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Architecture and Construction	7123	Construction Trades: General Carpentry	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Architecture and Construction	7124	Electrical Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Architecture and Construction	7125	HVAC Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Architecture and Construction	7126	HVAC Service	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Architecture and Construction	7129	Plumbing and Pipefitting Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Architecture and Construction	7130	Principles of Construction Trades	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Architecture and Construction	7131	Principles of Heating, Ventilation, and Air Conditioning (HVAC)	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Architecture and Construction	7133	Principles of Plumbing and Pipefitting	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Arts, AV Tech and Comm	7141	Digital Design Graphics	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
Arts, AV Tech and Comm	5550	Graphic Design and Layout	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Arts, AV Tech and Comm	7138	Interactive Media Design	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
Arts, AV Tech and Comm	7127	Interior Design Fundamentals	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Arts, AV Tech and Comm	7128	Materials, Finishes, and Design	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Arts, AV Tech and Comm	7140	Principles of Digital Design	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
Arts, AV Tech and Comm	7132	Principles of Interior Design	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Arts, AV Tech and Comm	7139	Principles of Radio and Television	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
Arts, AV Tech and Comm	7136	Professional Photography & Videography	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
Business Management, Marketing and Finance	4524	Accounting Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Business Management, Marketing and Finance	4522	Advanced Accounting	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Business Management, Marketing and Finance	7144	Business Office Communications	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Business Management, Marketing and Finance	7146	Digital Data Applications	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Business Management, Marketing and Finance	7145	Digital Marketing	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I

Business Management, Marketing and Finance	5258	Finance and Investment	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level II
Business Management, Marketing and Finance	7149	Insurance Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Business Management, Marketing and Finance	7155	Logistics Management	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Business Management, Marketing and Finance	7143	Management Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Business Management, Marketing and Finance	5914	Marketing Fundamentals	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Business Management, Marketing and Finance	7148	New Venture Development	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Business Management, Marketing and Finance	7151	Personal and Commercial Insurance	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Business Management, Marketing and Finance	7150	Personal Finance and Banking	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Business Management, Marketing and Finance	4562	Principles of Business Management	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Business Management, Marketing and Finance	7153	Principles of Business Operations and Technology	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Business Management, Marketing and Finance	7154	Principles of Entrepreneurship	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Business Management, Marketing and Finance	7147	Small Business Operation	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Business Management, Marketing and Finance	5918	Strategic Marketing	1 cr per sem/ 2 sem reqd	4	Moderate Value	Level I
Business Management, Marketing and Finance	7142	Supply Chain Management	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Education and Training	7157	Child and Adolescent Development	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Education and Training	7158	Early Childhood Education Curriculum	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Education and Training	7159	Early Childhood Education Guidance	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Education and Training	7160	Principles of Early Childhood Education	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Education and Training	7161	Principles of Teaching	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Education and Training	7162	Teaching and Learning	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Health Science	7163	Central Service Technician Fundamentals	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Health Science	7164	Certified Clinical Medical Assistant (CCMA)	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Health Science	7165	Emergency Medical Tech	1 cr per sem/ 2 sem reqd	2	High Value	Level I

Health Science	7166	Healthcare Specialist: CNA	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Health Science	5216	Human Body Systems	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Health Science	5217	Medical Interventions	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Health Science	5274	Medical Terminology	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Health Science	7167	Pharmacy Tech	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Health Science	5218	Principles of Biomedical Sciences	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Health Science	7168	Principles of Healthcare	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Hospitality and Tourism	7169	Culinary Arts	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
Hospitality and Tourism	7172	Hospitality Management	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Hospitality and Tourism	7171	Nutrition	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
Hospitality and Tourism	7170	Nutrition Planning and Therapy	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
Hospitality and Tourism	7173	Principles of Culinary and Hospitality	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
Human Services	7176	Principles of Human Services	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Human Services	7177	Relationships and Emotions	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Human Services	7174	Understanding Diversity	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Information Technology	7178	Advanced Cybersecurity	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Information Technology	7179	Cybersecurity Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Information Technology	7180	Information Technology Fundamentals	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Information Technology	7181	Networking and Cybersecurity Operations	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Information Technology	7182	Networking Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Information Technology	7183	Principles of Computing	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Information Technology	7184	Software Development	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Information Technology	7185	Website and Database Development	1 cr per sem/ 2 sem reqd	2	High Value	Level I

Law and Public Safety	7186	Advanced Fire Fighting	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Law and Public Safety	7187	Advanced Paralegal Studies	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Law and Public Safety	7188	Courts and Corrections	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Law and Public Safety	7189	Fire Fighting Fundamentals	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Law and Public Safety	7191	Law Enforcement and Cultural Awareness	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Law and Public Safety	7192	Paralegal Fundamentals	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Law and Public Safety	7193	Principles of Criminal Justice	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Law and Public Safety	7195	Principles of Fire and Rescue	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Law and Public Safety	7194	Principles of Paralegal Studies	1 cr per sem/ 2 sem reqd	2	High Value	Level I
STEM	5518	Aerospace Engineering	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
STEM	7197	BIM Architecture	1 cr per sem/ 2 sem reqd	2	High Value	Level I
STEM	5650	Civil Engineering and Architecture	1 cr per sem/ 2 sem reqd	2	High Value	Level I
STEM	5534	Computer Integrated Manufacturing	1 cr per sem/ 2 sem reqd	2	High Value	Level I
STEM	5538	Digital Electronics	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
STEM	7198	Electrical Power and Distribution	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
STEM	4818	Environmental Sustainability	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level II
STEM	7200	Fundamentals of Electricity and Motors	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
STEM	4802	Introduction to Engineering Design	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
STEM	7202	Manufacturing Principles and Design	1 cr per sem/ 2 sem reqd	2	High Value	Level I
STEM	7196	Mechanical and Architectural Design	1 cr per sem/ 2 sem reqd	2	High Value	Level I
STEM	7203	Principles of Energy Technology	1 cr per sem/ 2 sem reqd	2	Less than Moderate Value	Level I
STEM	5644	Principles of Engineering	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Transportation	7204	Automotive Body Repair	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I

Transportation	7207	Aviation Safety and Operations	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Transportation	7205	Brake Systems	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Transportation	7210	Diesel Steering and Brakes	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Transportation	7211	Diesel Transmission	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Transportation	7206	Plastic Body Repair and Paint Fundamentals	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Transportation	7213	Principles of Automotive Services	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Transportation	7214	Principles of Aviation Management	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Transportation	7215	Principles of Collision Repair	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Transportation	7216	Principles of Diesel Services	1 cr per sem/ 2 sem reqd	2	High Value	Level I
Transportation	7217	Private Pilot Theory	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
Transportation	7212	Steering and Suspensions	1 cr per sem/ 2 sem reqd	2	Moderate Value	Level I
CTE WBL	7156	Technical Skills Development	1 cr per sem/ 2 sem reqd	2	Introductory	