

Determination of Credit Hours

Mergener Formula Documentation | Final determination: 2.0 CE hours

Course	Executive Functioning in Neurodevelopmental Conditions
Provider	Child & School Psychology CE
Instructor	Jaime Flowers, Ph.D., NCSP, LEP, BCBA
Delivery format	Online independent study / home study with applied activities
Credit-hour determination	2.0 continuing education hours
Determination status	Final — 2.0 CE hours

Purpose and determination

This document establishes 2.0 continuing education hours for the independent-study course Executive Functioning in Neurodevelopmental Conditions using the Mergener formula. The calculation incorporates the required reading and instructional text, learner-response items, and professional-level difficulty.

Course components

1. Executive Function Domains.
2. Executive Functioning Across ADHD, Autism, and Learning Disorders.
3. Assessment Limitations and Interpretation.
4. School-Based Consultation and Intervention Implications.

Required source: Sadozai et al. (2024), a systematic review and meta-analysis of executive functioning in neurodevelopmental conditions.

Applied learning: Four case-based activities comprising 18 learner-response prompts, plus a 12-question final assessment.

Mergener formula

$$\text{Minutes} = 0.9 \times [-22.3 + (0.00209 \times \text{words}) + (2.78 \times \text{questions}) + (15.5 \times \text{difficulty})]$$

Difficulty level: 4 (Difficult), reflecting professional-level interpretation of meta-analytic findings, assessment limitations, and applied school-based decision-making.

Calculation record

Input	Value	Basis
Instructional words	6,000	Required reading and course instructional text
Learner-response items	30	18 applied prompts + 12 final assessment questions
Difficulty	4	Difficult: professional interpretation and application

$$0.9 \times [-22.3 + (0.00209 \times 6,000) + (2.78 \times 30) + (15.5 \times 4)]$$

= 122.076 minutes = 2.0346 hours

DETERMINED CREDIT: 2.0 CE HOURS

The formula yields 122.076 minutes. The course is assigned 2.0 CE hours, rounded down to the nearest whole CE hour.

Counting methodology

Required reading is counted once. Instructional text includes substantive explanations, scenarios, examples, and activity directions; repeated headers and navigation are excluded. Each distinct required learner response is counted once. The final assessment is included in the question count, with no additional time assigned for the same items.

Primary research source

Sadozai, A. K., Sun, C., Demetriou, E. A., et al. (2024). Executive function in children with neurodevelopmental conditions: A systematic review and meta-analysis. *Nature Human Behaviour*. <https://doi.org/10.1038/s41562-024-02000-9>

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