

**985 Career Pathway: Engineering**

**This endorsement licenses a person to teach the following courses:**

- 994000 Engineering I
- 994001 Engineering II
- 994002 Engineering Fundamentals
- 994003 Engineering Design
- 994004 Systems in Engineering
- 994005 Applying Engineering Concepts

**Minimum Requirements for this Endorsement:**

**1. Education**

- Applicant must have earned a four-year college degree (bachelor's degree) or higher from an accredited institution of higher education. Degree must be in engineering, mathematics, physics, chemistry, computer science, electrical technology, electronics technology, industrial technology, engineering technology or an appropriate field of science (approved by MDE program coordinator) or currently have one of the following endorsements: 154 - Math, 185 or 627 – Chemistry, 189 or 629 or 630 or 631 – Physics, 609 or 610 – Calculus, 612 or 613 – Computer Science.

**2. Technology Literacy and Related Assessment**

- Applicant must validate technology competency by attaining the established minimum score or higher on an assessment approved by the Mississippi Department of Education (MDE). The assessment must be directly related to technology competency required by the grade level and subject matter being taught. Approved assessment for this license is IC3.

**3. Occupational Experience and Related Assessment of that Experience**

- Verification of at least one year of full-time occupational experience in the past ten years. This experience must be appropriate to the subject area to be taught.
- All successful applicants must hold bachelor or higher degree in the subject area to be taught. This degree in subject area exempts applicant from any additional occupational competency testing.

**4. Teacher Education Preparation and Related Assessment(s) of that Education**

- Applicant must enroll immediately in Vocational Instructor Preparation (VIP) program. **(Exception: Those teachers that have a currently valid five-year license or have completed an alternate route program do not have to enroll in VIP.)**
- Applicant must complete the individualized professional development plan (PDP) requirements of the VIP program prior to the expiration date of the three-year Career & Technical license.
- Applicant must successfully complete a Certification for online learning workshop, module, or course that is approved by the Mississippi Department of Education.
- Applicant must successfully complete the Engineering Certification workshop, module, or course that is approved by the Mississippi Department of Education.

**Note:** If the applicant meets all requirements listed above, that applicant will be issued a 985 endorsement—a five-year license. If the applicant meets the educational and occupational experience requirements, but does not meet all other requirements, the applicant may be issued one (1) three-year endorsement (license), and all requirements stated above must be satisfied prior to the ending date of that license.