



# Apple Exam Development Process

## Development phases

To ensure the validity, reliability, and relevance of Apple certification exams, we create the exams in six phases.

### 1. Question development

Subject matter experts write the exam questions according to the prioritized objectives, then review and revise them according to the following criteria:

- Technically accurate
- Clear, unambiguous, and relevant
- Not biased toward any population, subgroup, or culture
- Not misleading or tricky
- Consists of useful knowledge rather than obscure or trivial facts

### 2. Alpha review and question revision

A panel of experts reviews each question for technical accuracy.

### 3. Beta exam

Apple conducts a beta test of the exam. During the beta exam, candidates comment on questions. The beta exam allows Apple to evaluate the quality of the questions in an actual exam situation, and helps ensure that only the best content is included in the live exam.

### 4. Question selection and minimum passing score

Psychometricians analyze the results of the beta exam to determine which questions should be included in the live exam. This analysis focuses on many factors, including question difficulty and reliability. Apple works with a panel of experts to review the technical accuracy of questions and to determine the final set of questions for the live exam. The panel helps determine the minimum passing score for the exam. This score may differ from one exam to another, because the score is based on the difficulty of the questions and the expected performance of the minimally qualified candidate.

### 5. Publishing

Apple certification exams are published by Pearson VUE.

### 6. Live exam

Certification exams are delivered through OnVue—a live, online proctoring solution.