Abstract: The sustainability of a construction product starts with its design. The skill of the designer in applying the principles of sustainability is therefore of utmost importance. In the sphere of architecture, the skill is often a product of the training of the architect. This study therefore investigates the adequacy of the curriculum of architecture schools in training students on the principles of sustainability. The study answers four questions: which areas of sustainability should the training of architecture students address? Which areas of sustainability are currently being taught in the institutions investigated? Are those areas addressed in outlines or as full courses? Are the students taught the theory or the application of the principles? Qualitative content analyses of the architecture curriculum of four institutions in south-west Nigeria were carried out. The outcome of the study reveals areas of sustainability that the curriculum had not adequately addressed. The paper suggests the review of the curriculum for the training of architects to address sustainability principles.