

Accelerating Language Innovation: AI Tools in Teaching English for Specific Purposes for a Sustainable Future

Tamari Dolidze

Batumi State Maritime Academy, Georgia
tm.dolidze@bsma.edu.ge

Natia Vasadze

Batumi State Maritime Academy, Georgia
n.vasadze@bsma.edu.ge

Ioseb Gabelaia

RISEBA University of Applied Sciences, Latvia
iosebgabelaia@gmail.com

Abstract

As Artificial Intelligence (AI) reshapes the landscape of education, its integration into language instruction—particularly English for Specific Purposes (ESP)—offers new possibilities for sustainable and skill-based learning. This paper explores the role of AI tools in accelerating innovation in ESP, with a particular focus on Business and Legal English. The aim is to assess how emerging technologies can enhance pedagogical effectiveness while aligning with broader goals of educational sustainability. Methodologically, the paper draws on a qualitative analysis of current AI applications, including adaptive language platforms, intelligent feedback systems, and generative AI tools, as they are applied in the context of professional English instruction. Case examples and teaching interventions are used to illustrate practical implementation in both digital and blended learning environments. The findings suggest that AI not only personalizes learning and improves learner autonomy but also supports the development of communicative competence that is context-aware, ethically informed, and globally relevant. Moreover, AI-augmented ESP contributes to sustainable education by reducing learning disparities and enabling access to high-quality, domain-specific language training. The implications highlight the need for a pedagogical shift—toward integrating digital intelligence into curriculum design—to equip learners with future-oriented skills. This approach reinforces the role of ESP as a bridge between linguistic proficiency and socially responsible professional practice in an interconnected world.

Keywords: AI In Education, English For Specific Purposes, Business English, Legal English, Sustainable Education, Digital Learning, Communicative Competence