Since its adoption in 1997, the Unified Modeling Language (UML) has proved very popular with software engineers and has become the de facto standard as a visual modeling language for software engineers. However, this software focus of UML has discouraged many systems engineers from adopting it in earnest. Those who did adopt UML developed strategies to cope with its shortcomings. A common approach was to model additional systems engineering concepts in other modeling tools. This made it difficult to integrate the different viewpoints and achieve traceability. Fortunately, with the release of UML 2.0 and the ensuing extensions to it in SysML – the soon-to-be adopted Systems Modeling Language – the systems engineering community has a real alternative to systems modeling that provides a more integrated approach to systems and software engineering. Since its inception in 1997, ARTiSAN has endeavored to bridge the gap between systems and software engineering modeling by adding systems engineering extensions to the UML and, as a key member of the SysML initiative, is well poised to support these emerging standards for systems and software modeling. This presentation will provide a brief overview of the major extensions proposed by SysML, and will summarize how ARTiSAN's latest release of its flagship product Studio (version 6.0) takes the lead in supporting these concepts.