This thesis focuses on the development of astronomical institutions at the universities in Bohemia from 1882 to 1945. During this period, the Czech National Revival culminated. The importance of the emerging Czech science grew, resulting in the split of three major Bohemian universities into separate Czech and German institutions. Subsequently, the Czech and German astronomical communities finally split and continued to develop separately. This thesis investigates both communities' connections and the relationship between development and research traditions, their mutual interaction and isolation. This thesis includes biographies of large astronomical instruments and a collective biography of students of the Faculty of Philosophy, resp. Faculty of Science, who enrolled in astronomy lectures. The outcome of this thesis is to broaden the knowledge of the history of Czech professional astronomy.