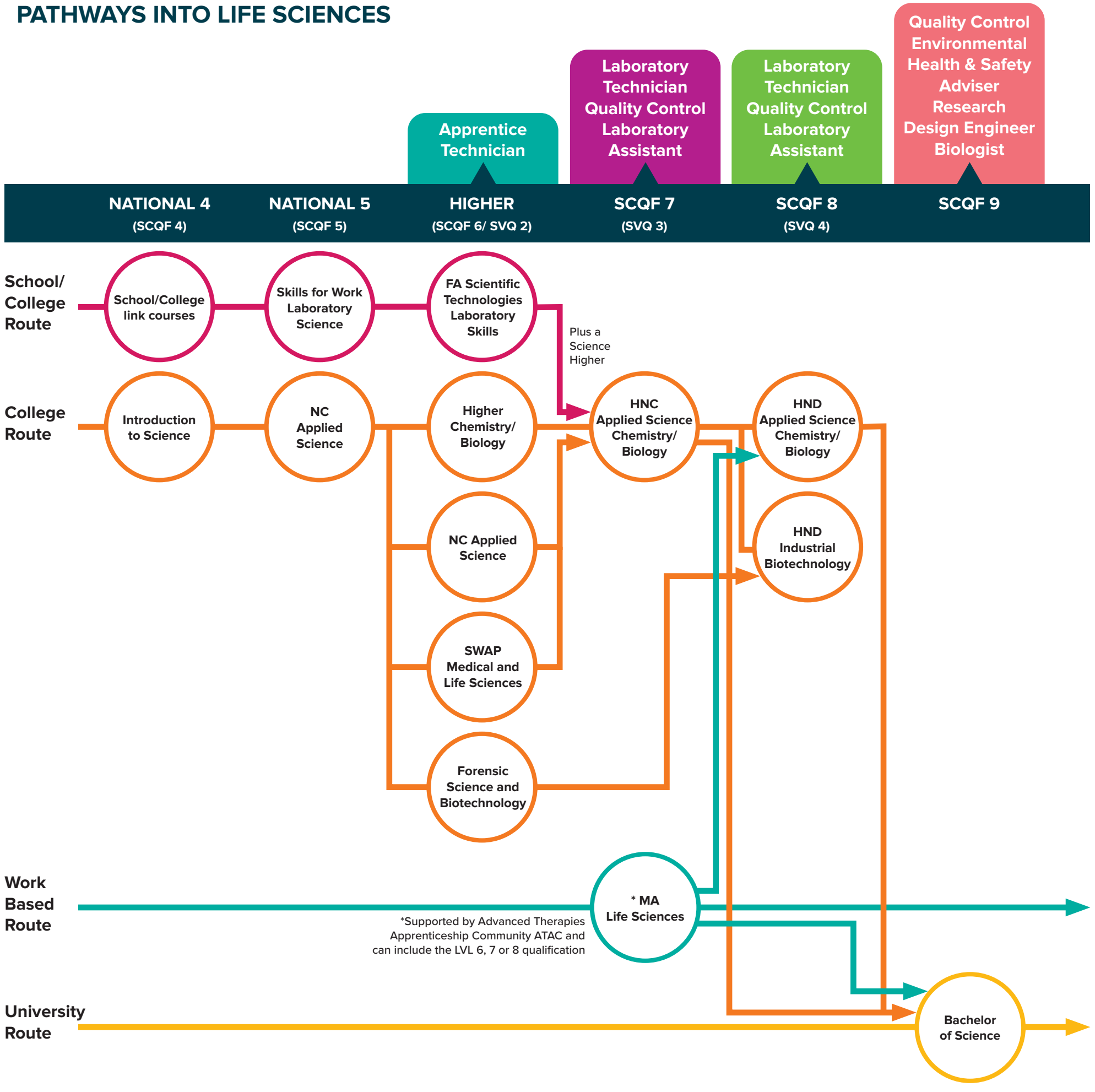PATHWAYS INTO LIFE SCIENCES