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The National Supply of Scientists, Mathematicians, and Engineers

Volume III: Appendix D

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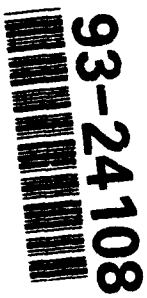

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PREFACE

This report contains our analysis of the supply of scientists, mathematicians, and engineers in the United States through the year 2020. It consists of three volumes.

In Volume one, the main body of the report, we outline the issues associated with the national supply of these professionals, describe a methodology to project their future supply, and report our findings.

Volume two contains three appendices. Appendices A and B show the specific formulas and techniques used in our projection methodology. Appendix C provides detailed demographic data on scientists, mathematicians, and engineers who are civilian employees of DoD.

Volume three (Appendix D) is a set of tables that forms the basis of our projections and our analysis.

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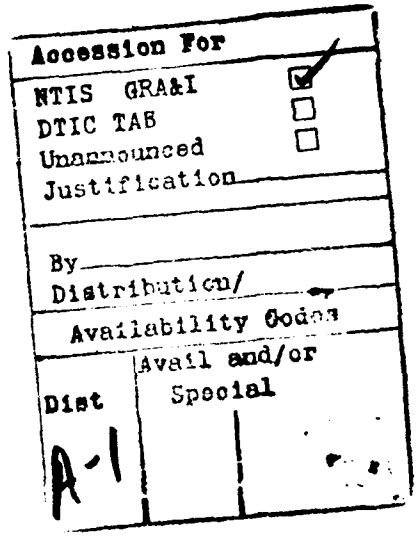

APPENDIX D

PROJECTIONS OF SCIENTIST, MATHEMATICIAN, AND ENGINEER SUPPLY

APPENDIX D

PROJECTIONS OF SCIENTIST, MATHEMATICIAN, AND ENGINEER SUPPLY

GENERAL

This appendix contains 18 tables that form the basis of our analysis. There are six tables for each of the low-, mid-, and high-range projections:

Table D-1. Low-Range Total Supply Projections
Table D-2. Low-Range Bachelor's Degrees Projections
Table D-3. Low-Range Master's Degrees Projections
Table D-4. Low-Range Foreign Bachelor's Degrees and Immigration
Table D-5. Low-Range Foreign Master's Degrees Projections
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Table D-7. Mid-Range Total Supply Projections
Table D-8. Mid-Range Bachelor's Degrees Projections
Table D-9. Mid-Range Master's Degrees Projections
Table D-10. Mid-Range Foreign Bachelor's Degrees and Immigration
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Table D-12. Mid-Range Foreign Doctor's Degrees Projections
Table D-13. High-Range Total Supply Projections
Table D-14. High-Range Bachelor's Degrees Projections
Table D-15. High-Range Master's Degrees Projections
Table D-16. High-Range Foreign Bachelor's Degrees and Immigration
Table D-17. High-Range Foreign Master's Degrees Projections
Table D-18. High-Range Foreign Doctor's Degrees Projections.

RELATIONSHIP OF TABLES

Within each of the ranges, the total scientist, mathematician, and engineer (SME) projection is derived from the other five tables.

The projection begins with the base year 1988 inventory. Next, on a category-by-category and discipline-by-discipline basis, we add: the projected bachelor's

degrees, 25 percent of the projected master's degrees, the degrees earned by foreign students who are expected to remain in the United States (bachelor's, master's, and doctor's), and the expected net immigration (emigrants are subtracted), for 1989. Projected 1989 losses are also subtracted from the 1988 base year inventory. This process is repeated each year through 2020. For example, the projected 1989 inventory that results from the initial operation has 1990 additions and subtractions applied to it arrive at the 1990 projection of SME supply.

TABLE D-1. LOW-RANGE TOTAL SUPPLY PROJECTIONS

Disciplines	1988 Inventory	Projected Inventory 1989	1990	1991	1992
ARCH & ENV DESIGN	115000	117402	119366	121332	123367
COMPUTER & INFO SCI	708000	736568	763230	789727	816844
ENGINEERING	2719000	2742249	2762007	2784886	2808432
General	103000	104288	105439	106710	108000
Aerospace	119000	119319	119490	119815	120175
Bio/Biomedical	27000	27526	28020	28545	29078
Ceramic	14000	14017	14018	14036	14058
Chemical	149000	149538	149885	150424	151006
Civil	356000	361015	365653	370646	375713
Electrical	641000	649777	657299	665864	674582
Industrial Engr	172000	173087	173963	175033	176142
Materials Engr	66000	66034	66044	66074	66110
Mechanical Engr	498000	500557	502384	504923	507611
Metallurgical Engr	19000	19039	19056	19096	19140
Mining & Mineral	21000	21009	21008	21019	21033
Nav Arch & Marine	14000	14004	13992	13999	14011
Nuclear	29000	28856	28699	28561	28429
Petroleum Engr	37000	36727	36431	36174	35933
Other	454000	457456	460626	463967	467411
ALLIED HLTH & SCI	5863000	5912769	5918426	5924284	5930392
Dental	167000	167653	168286	168918	169567
Diagostic	165000	165499	165976	166451	166944
Medical Lab Tech	242000	243307	244559	245805	247094
Medicine	535000	535174	535343	535511	535682
Pharmacy	162000	163973	165768	167515	169357
Public Health	29000	29074	29117	29161	29211
Veterinary	46000	46328	46646	46962	47287
Health Sci Other	4517000	4561761	4562731	4563961	4565250
LIFE SCIENCES	459000	471786	483055	493849	504966
Biology	330000	339208	347334	355123	363149
Biochemistry	26000	26687	27290	27869	28466
Botany	4000	4136	4253	4365	4479
Microbiology	25000	25695	26309	26897	27502
Ecology	5000	5135	5254	5368	5484
Marine Biology	3000	3086	3162	3235	3308
Toxicology	1000	1042	1079	1113	1148
Zoology	36000	37008	37894	38744	39617
Life Science Other	29000	29789	30480	31135	31813
MATHEMATICS	169000	170880	171910	173259	174804
OPERATIONS RESEARCH	210000	221342	231733	241932	252219
PHYSICAL SCI & TECH	312000	314470	316082	318030	320244
Phys Sci General	7000	7193	7360	7531	7707
Chemistry	153000	154046	154653	155435	156373
Geology	43000	43850	44556	45290	46046
Physics	74000	75374	76509	77693	78919
Other	35000	34007	33004	32081	31199
PSYCHOLOGY	276000	286294	294131	300921	307985
SOCIAL SCIENCE	531000	547437	559436	569335	580149
Economics	121000	124748	127488	129750	132220
Political Science	143000	147397	150612	153264	156169
Sociology	68000	70185	71790	73118	74560
Other	199000	205107	209546	213203	217200

1993	1994	1995	1996	1997	1998	1999
125265	126976	128481	129769	130826	131765	132600
843570	869702	895108	919690	943354	966534	989266
2831595	2853942	2875322	2895575	2914577	2932972	2950828
109275	110517	111721	112882	113994	115079	116142
120526	120846	121130	121370	121563	121735	121888
29608	30132	30649	31155	31652	32143	32631
14080	14098	14113	14122	14128	14132	14135
151573	152100	152579	153001	153357	153686	153990
380749	385701	390555	395291	399894	404433	408915
683108	691294	699090	706447	713322	719937	726316
177231	178273	179258	180179	181026	181839	182621
66145	66178	66206	66229	66246	66261	66274
510230	512684	514941	516968	518738	520393	521946
19183	19222	19257	19286	19307	19326	19343
21047	21059	21069	21076	21079	21081	21082
14023	14031	14036	14036	14031	14024	14015
28298	28167	28036	27902	27767	27632	27498
35697	35462	35226	34988	34746	34506	34268
470822	474178	477456	480643	483727	486765	489764
5936430	5942333	5948063	5953585	5958873	5964055	5969148
170214	170855	171488	172111	172721	173327	173929
167434	167917	168391	168854	169303	169748	170188
248376	249640	250879	252088	253262	254420	255566
535853	536023	536191	536357	536520	536683	536845
171152	172871	174500	176024	177431	178780	180076
29259	29304	29344	29379	29409	29436	29461
47611	47933	48251	48563	48870	49174	49477
4566531	4567790	4569019	4570209	4571357	4572487	4573606
515521	525347	534356	542491	549700	556384	562601
370770	377862	384361	390225	395417	400230	404705
29033	29561	30044	30479	30864	31220	31550
4587	4687	4780	4865	4942	5015	5083
28077	28612	29103	29546	29939	30303	30643
5594	5697	5791	5876	5952	6022	6088
3378	3443	3502	3556	3605	3649	3691
1181	1212	1241	1267	1291	1313	1334
40445	41218	41928	42570	43140	43670	44163
32456	33055	33606	34107	34550	34962	35344
176203	177381	178305	178957	179318	179563	179716
262156	271647	280642	289108	297011	304564	311794
322323	324175	325757	327038	327983	328792	329479
7874	8031	8176	8309	8426	8538	8641
157242	157991	158596	159040	159304	159500	159638
46767	47440	48058	48617	49114	49576	50006
80087	81175	82172	83070	83862	84597	85282
30353	29538	28755	28002	27277	26581	25912
314111	319167	323121	325983	327760	329053	329960
589314	596550	601783	605026	606291	606820	606789
134314	135968	137163	137902	138189	138308	138301
158630	160571	161971	162834	163162	163293	163273
75782	76749	77453	77896	78080	78166	78177
220588	223262	225196	226394	226860	227053	227038

2000	2001	2002	2003	2004	2005	2006
133432	134317	135156	135918	136610	137234	137813
1011963	1034872	1057576	1079924	1101922	1123573	1144953
2968765	2987151	3005352	3023169	3040603	3057664	3074479
117203	118280	119346	120395	121426	122442	123445
122054	122245	122437	122617	122784	122942	123094
33120	33612	34104	34593	35082	35567	36050
14139	14147	14154	14160	14165	14169	14173
154306	154654	154997	155325	155639	155936	156224
413407	417950	422473	426955	431396	435796	440168
732674	739133	745481	751649	757642	763460	769152
183408	184225	185032	185817	186582	187325	188057
66290	66310	66333	66354	66374	66394	66413
523530	525223	526892	528490	530017	531475	532894
19361	19383	19405	19427	19447	19466	19484
21084	21088	21092	21096	21099	21101	21103
14009	14006	14003	13999	13994	13988	13983
27366	27240	27115	26992	26869	26749	26630
34040	33823	33611	33404	33200	32999	32802
492774	495832	498877	501896	504887	507855	510807
5974292	5979567	5984821	5990034	5995208	6000340	6005466
174534	175147	175761	176372	176980	177586	178189
170631	171081	171532	171979	172423	172864	173303
256718	257890	259060	260222	261376	262519	263655
537007	537172	537337	537502	537666	537830	537994
181375	182707	184019	185289	186519	187709	188867
29489	29522	29555	29588	29622	29656	29693
49781	50089	50397	50705	51012	51317	51622
4574757	4575959	4577160	4578377	4579610	4580859	4582143
568711	574931	580917	586531	591790	596709	601360
409104	413580	417889	421927	425707	429239	432574
31876	32208	32527	32827	33107	33368	33616
5149	5218	5284	5347	5406	5463	5518
30976	31315	31641	31946	32233	32501	32754
6153	6219	6282	6342	6398	6450	6500
3732	3773	3814	3852	3887	3920	3952
1354	1375	1395	1414	1431	1447	1463
44648	45140	45614	46059	46478	46871	47243
35719	36103	36471	36817	37143	37450	37740
179930	180287	180630	180906	181119	181274	181401
318894	325982	332871	339493	345856	351968	357868
330220	331116	331991	332780	333487	334117	334708
8743	8845	8945	9038	9126	9208	9288
159811	160078	160340	160561	160740	160883	161008
50432	50870	51293	51693	52071	52427	52766
85960	86658	87333	87969	88568	89131	89669
25274	24665	24080	23519	22982	22468	21977
330973	332356	333617	334587	335299	335786	336146
607184	608527	609773	610542	610896	610888	610710
138389	138695	138979	139152	139232	139227	139182
163370	163722	164050	164251	164339	164327	164268
78241	78427	78598	78706	78757	78762	78742
227184	227683	228146	228433	228568	228572	228518

2007	2008	2009	2010	2011	2012	2013
138348	138844	139308	139743	140139	140498	140826
1166064	1186908	1207524	1227915	1248042	1267909	1287528
3091058	3107398	3123562	3139545	3155255	3170695	3185896
124438	125416	126387	127347	128296	129230	130153
123242	123385	123527	123666	123798	123925	124045
36532	37012	37490	37968	38444	38918	39389
14176	14181	14187	14192	14196	14200	14203
156506	156779	157047	157312	157567	157812	158049
444514	448835	453135	457415	461664	465881	470069
774717	780160	785501	790740	795847	800826	805688
188775	189480	190176	190864	191537	192195	192839
66435	66455	66475	66495	66514	66533	66553
534271	535611	536923	538208	539446	540641	541798
19501	19518	19534	19550	19565	19579	19593
21105	21106	21108	21111	21113	21115	21117
13978	13972	13966	13961	13956	13949	13942
26514	26399	26287	26175	26066	25957	25850
32611	32423	32240	32061	31886	31714	31545
513743	516666	519579	522480	525360	528220	531063
6010592	6015719	6020858	6026007	6031126	6036212	6041284
178791	179391	179990	180589	181186	181783	182378
173739	174175	174609	175042	175473	175902	176330
264785	265919	267031	268146	269256	270360	271459
538158	538323	538489	538656	538823	538990	539156
189993	191091	192164	193211	194230	195222	196187
29733	29775	29821	29869	29917	29964	30013
51927	52231	52535	52838	53142	53445	53748
4583466	4584823	4586219	4587656	4589099	4590546	4592013
605753	609900	613838	617577	621101	624418	627537
435720	438686	441497	444162	446673	449033	451252
33849	34068	34275	34472	34658	34832	34996
5570	5620	5669	5716	5761	5804	5845
32993	33219	33435	33639	33832	34014	34185
6548	6595	6640	6682	6723	6761	6797
3981	4009	4036	4061	4085	4108	4129
1480	1496	1511	1525	1538	1551	1563
47596	47930	48249	48552	48840	49111	49366
38016	38277	38526	38768	38991	39204	39404
181502	181581	181651	181711	181745	181756	181748
363560	369053	374367	379508	384465	389242	393848
335257	335774	336265	336740	337168	337561	337919
9362	9435	9504	9570	9631	9690	9746
161114	161206	161287	161359	161415	161455	161482
53092	53404	53703	53993	54269	54530	54779
90182	90672	91141	91594	92020	92426	92811
21507	21057	20630	20224	19833	19460	19101
336396	336551	336655	336714	336694	336604	336460
610385	609934	609443	608919	608309	607618	606868
139104	138996	138881	138757	138613	138451	138275
164168	164033	163886	163730	163552	163353	163137
78703	78645	78583	78515	78437	78348	78251
228410	228260	228093	227917	227707	227466	227205

2014	2015	2016	2017	2018	2019	2020
141151	141474	141765	142026	142261	142478	142679
1307026	1326403	1345550	1364477	1383189	1401719	1420069
3201038	3216129	3230922	3245437	3259699	3273750	3287598
131071	131982	132879	133763	134634	135494	136343
124170	124297	124416	124530	124637	124738	124837
39859	40331	40800	41266	41730	42192	42652
14207	14211	14214	14217	14220	14223	14226
158288	158529	158760	158978	159189	159392	159590
474247	478419	482554	486653	490721	494764	498780
810493	815244	819864	824358	828738	833015	837195
193482	194122	194745	195352	195943	196521	197087
66573	66595	66616	66634	66651	66668	66685
542955	544112	545221	546287	547313	548309	549277
19608	19624	19637	19649	19661	19673	19684
21119	21121	21123	21125	21126	21127	21127
13935	13928	13921	13915	13909	13902	13895
25744	25642	25540	25439	25339	25241	25143
31383	31226	31072	30919	30770	30624	30482
533904	536746	539560	542352	545118	547867	550595
6046371	6051482	6056521	6061500	6066423	6071299	6076128
182974	183571	184168	184764	185359	185954	186550
176758	177187	177614	178041	178467	178892	179317
272558	273657	274753	275846	276936	278024	279110
539323	539491	539658	539825	539992	540158	540324
197141	198085	199009	199914	200797	201667	202522
30063	30114	30161	30204	30244	30281	30315
54051	54355	54658	54961	55264	55566	55868
4593503	4595022	4596500	4597945	4599364	4600757	4602122
630573	633531	636331	638985	641501	643907	646211
453410	455510	457503	459392	461186	462901	464546
35157	35312	35460	35599	35731	35857	35978
5885	5925	5961	5995	6027	6057	6086
34352	34514	34667	34812	34950	35082	35209
6832	6866	6898	6929	6958	6986	7012
4149	4170	4190	4209	4226	4243	4259
1575	1586	1597	1607	1616	1625	1634
49616	49859	50089	50305	50510	50705	50890
39597	39789	39966	40137	40297	40451	40597
181768	181811	181833	181834	181820	181802	181781
398343	402731	406972	411070	415030	418872	422598
338295	338687	339040	339352	339631	339891	340133
9801	9853	9904	9951	9997	10040	10083
161522	161574	161615	161644	161661	161674	161686
55022	55261	55487	55698	55898	56091	56271
93190	93561	93911	94242	94553	94849	95132
18760	18438	18123	17817	17522	17237	16961
336402	336419	336394	336332	336242	336158	336081
606344	606014	605666	605299	604925	604606	604337
138152	138072	137989	137904	137817	137745	137684
162984	162884	162781	162677	162572	162485	162412
78181	78137	78091	78044	77994	77954	77921
227027	226921	226805	226674	226542	226422	226320

TABLE D-2. LOW-RANGE BACHELOR'S DEGREE PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	8104	7907	7827	8042
COMPUTER & INFO SCI	33483	32734	32468	33428
ENGINEERING	51333	50085	49580	50943
General	1913	1866	1848	1898
Aerospace	2284	2228	2206	2266
Bio/Biomedical	474	463	458	471
Ceramic	245	239	237	243
Chemical	2900	2829	2801	2878
Civil	5537	5402	5348	5495
Electrical	17428	17005	16833	17296
Industrial Engr	3015	2941	2912	2992
Materials Engr	309	301	298	306
Mechanical Engr	11018	10750	10641	10934
Metallurgical Engr	335	326	323	332
Mining & Mineral	168	164	162	166
Nav Arch & Marine	283	276	273	281
Nuclear	219	213	211	217
Petroleum Engr	493	481	476	489
Other	4712	4601	4553	4679
ALLIED HLTH & SCI	54147	52830	52298	53736
Dental	655	639	633	650
Diagostic	678	661	654	672
Medical Lab Tech	1752	1709	1692	1738
Medicine	133	130	129	132
Pharmacy	4755	4639	4592	4719
Public Health	273	266	264	271
Veterinary	297	290	287	295
Health Sci Other	45604	2224	2202	2262
LIFE SCIENCES	30755	30007	29705	30521
Biology	22423	21878	21658	22252
Biochemistry	1710	1668	1652	1697
Botany	228	223	221	227
Microbiology	1658	1618	1602	1646
Ecology	311	304	301	309
Marine Biology	196	191	189	194
Toxicology	74	72	71	73
Zoology	2326	2269	2246	2308
Life Science Other	1829	1784	1765	1815
MATHEMATICS	12417	12115	11993	12323
OPERATIONS RESEARCH	16077	15686	15528	15955
PHYSICAL SCI & TECH	16030	15640	15482	15908
Phys Sci General	430	420	415	427
Chemistry	8139	7941	7860	8077
Geology	2138	2086	2065	2122
Physics	3695	3605	3568	3666
Other	90	88	87	89
PSYCHOLOGY	40143	39166	38771	39837
SOCIAL SCIENCE	83143	81121	80303	82511
Economics	19030	18567	18380	18885
Political Science	22554	22005	21784	22383
Sociology	10779	10517	10411	10698
Other	30780	30032	29728	30545

1993	1994	1995	1996	1997	1998	1999
8018	7947	7843	7716	7564	7508	7461
33395	33163	32796	32327	31756	31585	31446
50792	50337	49681	48873	47914	47560	47257
1893	1876	1851	1821	1785	1772	1761
2260	2239	2210	2174	2132	2116	2102
469	465	459	451	443	439	437
243	240	237	233	229	227	226
2869	2843	2806	2761	2706	2686	2669
5479	5429	5359	5272	5168	5130	5097
17245	17090	16867	16593	16268	16147	16044
2983	2956	2918	2870	2814	2793	2775
305	303	299	294	288	286	284
10902	10804	10663	10490	10284	10208	10143
331	328	324	319	312	310	308
166	164	162	160	156	155	154
280	277	274	269	264	262	260
216	214	212	208	204	203	201
487	483	477	469	460	456	453
4664	4626	4563	4489	4401	4370	4343
53576	53097	52404	51552	50540	50168	49848
648	642	634	624	611	607	603
670	664	656	645	632	628	624
1733	1718	1695	1668	1635	1623	1613
132	131	129	127	124	124	123
4705	4662	4602	4527	4438	4405	4377
270	268	264	260	255	253	251
294	292	288	283	278	275	274
2256	2235	2206	2170	2128	2112	2099
30431	30158	29765	29281	28706	28495	28313
22187	21988	21701	21348	20929	20775	20643
1692	1677	1655	1628	1596	1584	1574
226	224	221	217	213	212	210
1641	1626	1605	1579	1548	1536	1527
308	305	301	296	290	288	287
194	192	189	186	183	181	180
73	72	71	70	69	68	68
2301	2281	2251	2214	2171	2155	2141
1809	1793	1771	1743	1707	1696	1683
12286	12176	12017	11822	11590	11504	11431
15907	15765	15559	15306	15006	14895	14800
15861	15719	15514	15261	14962	14852	14757
426	422	416	410	401	399	396
8053	7981	7877	7748	7596	7540	7492
2116	2097	2069	2036	1996	1981	1968
3656	3623	3576	3517	3448	3423	3401
89	88	87	86	84	84	83
39719	39364	38850	38219	37469	37192	36955
82266	81530	80466	79158	77604	77032	76541
18829	18661	18417	18118	17762	17631	17519
22316	22116	21828	21473	21051	20896	20763
10666	10570	10432	10263	10061	9987	9924
30455	30183	29789	29304	28730	28518	28335

2000	2001	2002	2003	2004	2005	2006
7500	7596	7603	7571	7539	7507	7488
31677	32146	32241	32169	32097	32024	32007
47510	48116	48162	47960	47756	47553	47432
1770	1793	1795	1787	1780	1772	1767
2114	2140	2143	2134	2124	2115	2110
439	444	445	443	441	439	438
227	230	230	229	228	227	227
2684	2718	2720	2709	2698	2686	2679
5125	5190	5195	5173	5151	5129	5116
16130	16336	16352	16283	16214	16145	16104
2790	2826	2829	2817	2805	2793	2786
286	289	290	288	287	286	285
10197	10327	10337	10294	10250	10206	10180
310	314	314	313	311	310	309
155	157	157	157	156	155	155
262	265	265	264	263	262	261
202	205	205	204	203	203	202
456	462	462	460	458	456	455
4363	4420	4423	4405	4387	4369	4358
50114	50753	50802	50589	50374	50160	50032
606	614	615	612	609	607	605
627	635	636	633	630	628	626
1621	1642	1643	1636	1630	1623	1618
123	125	125	125	124	124	123
4401	4457	4461	4442	4423	4405	4393
253	256	256	255	254	253	252
275	279	279	278	277	275	275
2110	2137	2139	2130	2121	2112	2106
28464	28827	28855	28734	28612	28490	28418
20753	21017	21038	20950	20861	20772	20719
1583	1603	1604	1598	1591	1584	1580
211	214	214	213	212	212	211
1535	1554	1556	1549	1543	1536	1532
288	292	292	291	290	288	288
181	183	184	183	182	181	181
68	69	69	69	68	68	68
2153	2180	2182	2173	2164	2155	2149
1692	1715	1716	1708	1701	1694	1690
11492	11639	11650	11601	11552	11503	11473
14879	15069	15084	15020	14956	14893	14855
14836	15025	15039	14976	14913	14849	14811
398	403	404	402	400	398	397
7532	7628	7635	7603	7571	7539	7520
1979	2004	2006	1998	1989	1981	1976
3419	3463	3466	3452	3437	3422	3414
83	85	85	84	84	84	83
37153	37626	37663	37504	37345	37186	37091
76950	77931	78006	77679	77349	77020	76823
17612	17837	17854	17779	17704	17628	17583
20874	21140	21160	21072	20982	20893	20840
9977	10104	10113	10071	10028	9986	9960
28487	28850	28879	28757	28635	28513	28440

2007	2008	2009	2010	2011	2012	2013
7469	7450	7438	7426	7410	7394	7378
31989	31970	31983	31996	31991	31985	31980
47310	47189	47114	47038	46937	46835	46734
1763	1758	1756	1753	1749	1745	1741
2105	2099	2096	2093	2088	2084	2079
437	436	435	434	434	433	432
226	225	225	225	224	224	223
2672	2665	2661	2657	2651	2645	2640
5103	5090	5082	5074	5063	5052	5041
16062	16021	15996	15970	15936	15901	15867
2778	2771	2767	2763	2757	2751	2745
285	284	283	283	282	282	281
10154	10128	10112	10096	10074	10052	10031
308	308	307	307	306	305	305
155	154	154	154	153	153	153
261	260	260	259	259	258	258
201	201	201	200	200	199	199
454	453	452	451	450	449	448
4346	4336	4327	4319	4311	4302	4291
49904	49776	49696	49617	49510	49403	49296
604	602	601	600	599	598	596
624	623	622	621	620	618	617
1614	1610	1608	1605	1602	1598	1595
123	123	122	122	122	122	121
4382	4371	4364	4357	4348	4338	4329
252	251	251	250	250	249	249
274	273	273	272	272	271	271
2101	2096	2092	2089	2084	2080	2075
28345	28272	28227	28182	28121	28060	27999
20666	20613	20580	20547	20503	20458	20414
1576	1572	1569	1567	1564	1560	1557
210	210	210	209	209	208	208
1528	1524	1522	1519	1516	1513	1510
287	286	286	285	285	284	283
180	180	180	179	179	179	178
68	68	68	67	67	67	67
2144	2138	2135	2131	2127	2122	2117
1686	1681	1677	1678	1671	1669	1665
11444	11415	11396	11378	11353	11329	11304
14817	14779	14755	14732	14700	14668	14636
14773	14736	14712	14688	14657	14625	14593
396	395	395	394	393	392	392
7500	7482	7469	7457	7441	7425	7409
1970	1966	1962	1959	1955	1951	1946
3405	3396	3391	3385	3378	3371	3363
83	83	83	83	82	82	82
36997	36902	36843	36784	36704	36625	36546
76627	76431	76308	76186	76022	75857	75693
17539	17494	17466	17438	17400	17362	17325
20786	20733	20700	20667	20622	20578	20533
9935	9909	9893	9878	9856	9835	9814
28367	28295	28249	28203	28144	28082	28021

2014	2015	2016	2017	2018	2019	2020
7389	7400	7396	7392	7387	7390	7392
32092	32204	32251	32297	32343	32418	32493
46804	46874	46848	46821	46795	46809	46824
1744	1747	1746	1745	1744	1744	1745
2082	2085	2084	2083	2082	2082	2083
432	433	433	432	432	432	433
224	224	224	224	224	224	224
2644	2648	2646	2645	2643	2644	2645
5048	5056	5053	5050	5047	5049	5051
15891	15914	15906	15896	15888	15892	15897
2749	2753	2751	2750	2748	2749	2750
281	282	282	282	281	282	282
10046	10061	10055	10049	10044	10047	10050
305	306	305	305	305	305	305
153	153	153	153	153	153	153
258	258	258	258	258	258	258
199	200	200	199	199	199	199
449	450	450	449	449	449	449
4299	4304	4302	4301	4298	4300	4300
49370	49444	49416	49388	49360	49376	49391
597	598	598	597	597	597	598
618	619	618	618	618	618	618
1597	1599	1599	1598	1597	1597	1598
122	122	122	122	122	122	122
4335	4342	4339	4337	4334	4336	4337
249	249	249	249	249	249	249
271	272	271	271	271	271	271
2078	2082	2080	2079	2078	2079	2079
28041	28083	28068	28052	28036	28045	28053
20444	20475	20464	20452	20441	20447	20453
1559	1561	1561	1560	1559	1559	1560
208	209	208	208	208	208	208
1512	1514	1513	1512	1512	1512	1513
284	284	284	284	284	284	284
178	179	179	179	178	179	179
67	67	67	67	67	67	67
2121	2124	2123	2121	2120	2121	2121
1668	1670	1669	1669	1667	1668	1668
11321	11338	11332	11326	11319	11323	11326
14658	14680	14672	14664	14655	14660	14664
14615	14637	14629	14621	14613	14617	14622
392	393	393	392	392	392	392
7420	7431	7427	7423	7419	7421	7424
1949	1952	1951	1950	1949	1950	1950
3368	3374	3372	3370	3368	3369	3370
82	82	82	82	82	82	82
36600	36655	36635	36614	36594	36605	36616
75806	75920	75878	75835	75792	75816	75839
17351	17377	17367	17357	17347	17353	17358
20564	20595	20583	20572	20560	20566	20573
9828	9843	9838	9832	9826	9830	9833
28063	28105	28090	28074	28059	28067	28075

TABLE D-3. LOW-RANGE MASTER'S DEGREES PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	2902	2725	2735	2735
COMPUTER & INFO SCI	7134	6716	6755	6770
ENGINEERING	14232	13368	13414	13414
General	659	619	621	621
Aerospace	500	469	471	471
Bio/Biomedical	192	180	181	181
Ceramic	60	57	57	57
Chemical	692	650	652	652
Civil	1780	1672	1678	1678
Electrical	4197	3942	3956	3956
Industrial Engr	1138	1069	1073	1073
Materials Engr	257	242	242	242
Mechanical Engr	2088	1962	1968	1968
Metallurgical Engr	139	130	131	131
Mining & Mineral	51	48	48	48
Nav Arch & Marine	26	24	24	24
Nuclear	133	125	125	125
Petroleum Engr	135	127	128	128
Other	2185	2052	2059	2059
ALLIED HLTH & SCI	14312	13443	13489	13489
Dental	9	9	9	9
Diagostic	25	24	24	24
Medical Lab Tech	29	28	28	28
Medicine	157	147	148	148
Pharmacy	189	177	178	178
Public Health	1392	1307	1312	1312
Veterinary	102	96	96	96
Health Sci Other	12409	11655	11694	11694
LIFE SCIENCES	4026	3781	3794	3794
Biology	1669	1567	1573	1573
Biochemistry	209	196	197	197
Botany	290	272	273	273
Microbiology	283	266	267	267
Ecology	124	117	117	117
Marine Biology	57	54	54	54
Toxicology	37	35	35	35
Zoology	687	645	648	648
Life Science Other	670	629	630	630
MATHEMATICS	2282	2143	2151	2151
OPERATIONS RESEARCH	2450	2302	2310	2310
PHYSICAL SCI & TECH	4510	4236	4251	4251
Phys Sci General	28	27	27	27
Chemistry	1334	1253	1257	1257
Geology	1017	956	959	959
Physics	1320	1240	1244	1244
Other	811	760	764	764
PSYCHOLOGY	6975	6551	6574	6574
SOCIAL SCIENCE	6810	6396	6418	6418
Economics	1211	1138	1142	1142
Political Science	1043	980	983	983
Sociology	650	610	612	612
Other	3906	3668	3681	3681

1993	1994	1995	1996	1997	1998	1999
2735	2735	2735	2735	2735	2735	2735
6785	6800	6816	6831	6846	6862	6877
13414	13414	13414	13414	13414	13414	13414
621	621	621	621	621	621	621
471	471	471	471	471	471	471
181	181	181	181	181	181	181
57	57	57	57	57	57	57
652	652	652	652	652	652	652
1678	1678	1678	1678	1678	1678	1678
3956	3956	3956	3956	3956	3956	3956
1073	1073	1073	1073	1073	1073	1073
242	242	242	242	242	242	242
1968	1968	1968	1968	1968	1968	1968
131	131	131	131	131	131	131
48	48	48	48	48	48	48
24	24	24	24	24	24	24
125	125	125	125	125	125	125
128	128	128	128	128	128	128
2059	2059	2059	2059	2059	2059	2059
13489	13489	13489	13489	13489	13489	13489
9	9	9	9	9	9	9
24	24	24	24	24	24	24
28	28	28	28	28	28	28
148	148	148	148	148	148	148
178	178	178	178	178	178	178
1312	1312	1312	1312	1312	1312	1312
96	96	96	96	96	96	96
11694	11694	11694	11694	11694	11694	11694
3794	3794	3794	3794	3794	3794	3794
1573	1573	1573	1573	1573	1573	1573
197	197	197	197	197	197	197
273	273	273	273	273	273	273
267	267	267	267	267	267	267
117	117	117	117	117	117	117
54	54	54	54	54	54	54
35	35	35	35	35	35	35
648	648	648	648	648	648	648
630	630	630	630	630	630	630
2151	2151	2151	2151	2151	2151	2151
2310	2310	2310	2310	2310	2310	2310
4251	4251	4251	4251	4251	4251	4251
27	27	27	27	27	27	27
1257	1257	1257	1257	1257	1257	1257
959	959	959	959	959	959	959
1244	1244	1244	1244	1244	1244	1244
764	764	764	764	764	764	764
6574	6574	6574	6574	6574	6574	6574
6418	6418	6418	6418	6418	6418	6418
1142	1142	1142	1142	1142	1142	1142
983	983	983	983	983	983	983
612	612	612	612	612	612	612
3681	3681	3681	3681	3681	3681	3681

2000	2001	2002	2003	2004	2005	2006
2754	2773	2772	2792	2811	2830	2863
6940	7003	7018	7083	7148	7214	7314
13507	13599	13598	13693	13788	13882	14043
625	629	629	634	638	642	650
474	478	478	481	484	488	493
182	183	183	185	186	187	189
57	58	58	58	58	59	59
657	661	661	666	670	675	683
1690	1701	1701	1713	1725	1737	1757
3983	4010	4010	4038	4066	4094	4141
1080	1088	1088	1095	1103	1110	1123
244	246	246	247	249	251	254
1982	1996	1995	2009	2023	2037	2061
132	132	132	133	134	135	137
49	49	49	49	50	50	51
24	25	25	25	25	25	25
126	127	127	128	129	130	131
129	129	129	130	131	132	134
2073	2087	2087	2102	2117	2130	2155
13582	13675	13674	13769	13864	13960	14122
9	9	9	9	9	9	9
24	24	24	25	25	25	25
28	28	28	28	28	29	29
149	150	150	151	152	153	155
179	180	180	181	183	184	186
1321	1330	1330	1339	1348	1357	1373
97	97	97	98	99	99	101
11775	11857	11856	11938	12020	12104	12244
3820	3847	3846	3873	3900	3927	3972
1584	1595	1594	1606	1617	1628	1647
198	199	199	201	202	203	206
275	277	277	279	280	282	286
268	270	270	272	274	276	279
118	119	119	119	120	121	122
54	55	55	55	56	56	57
35	35	35	36	36	36	37
652	657	656	661	666	670	678
636	640	641	644	649	655	660
2166	2180	2180	2195	2211	2226	2252
2326	2341	2341	2358	2374	2390	2418
4280	4309	4309	4339	4369	4399	4450
27	27	27	27	27	28	28
1266	1275	1275	1283	1292	1301	1316
966	972	972	979	986	992	1004
1253	1261	1261	1270	1279	1287	1302
768	774	774	780	785	791	800
6619	6664	6664	6710	6757	6803	6882
6463	6507	6506	6552	6597	6642	6719
1150	1158	1157	1166	1174	1182	1195
990	997	997	1004	1011	1018	1029
617	621	621	625	629	634	641
3706	3731	3731	3757	3783	3808	3854

2007	2008	2009	2010	2011	2012	2013
2896	2930	2964	2998	3008	3018	3036
7414	7519	7623	7729	7771	7813	7877
14204	14372	14540	14708	14754	14801	14890
657	665	673	681	683	685	689
499	505	511	517	518	520	523
192	194	196	198	199	200	201
60	61	62	62	62	63	63
690	699	707	715	717	719	724
1777	1798	1819	1840	1846	1852	1863
4189	4238	4288	4337	4351	4365	4391
1136	1149	1163	1176	1180	1184	1191
257	260	263	266	267	267	269
2084	2109	2134	2158	2165	2172	2185
138	140	142	143	144	144	145
51	52	53	53	53	53	54
26	26	26	27	27	27	27
133	134	136	137	138	138	139
135	137	138	140	140	141	142
2180	2205	2229	2258	2264	2271	2284
14283	14452	14621	14790	14837	14884	14973
9	9	9	10	10	10	10
25	26	26	26	26	27	27
29	30	30	30	30	31	31
157	158	160	162	163	163	164
188	190	193	195	195	196	197
1389	1405	1422	1438	1443	1447	1456
102	103	104	105	106	106	107
12384	12531	12677	12824	12864	12904	12981
4018	4065	4113	4160	4173	4187	4212
1666	1685	1705	1725	1730	1736	1746
208	211	213	215	216	217	218
289	292	296	299	300	301	303
282	286	289	292	293	294	296
124	125	127	128	129	129	130
57	58	59	59	60	60	60
37	38	38	38	39	39	39
686	694	702	710	712	715	719
669	676	684	694	694	696	701
2277	2304	2331	2358	2366	2373	2387
2446	2474	2503	2532	2540	2548	2564
4501	4554	4607	4660	4675	4690	4718
28	29	29	29	29	29	30
1331	1347	1363	1378	1383	1387	1396
1015	1027	1039	1051	1055	1058	1064
1317	1333	1348	1364	1368	1373	1381
810	818	828	838	840	843	847
6961	7043	7125	7208	7231	7254	7297
6796	6877	6957	7037	7060	7082	7124
1209	1223	1238	1252	1256	1260	1267
1041	1054	1066	1078	1082	1085	1091
648	656	664	671	674	676	680
3898	3944	3989	4036	4048	4061	4086

2014	2015	2016	2017	2018	2019	2020
3054	3072	3047	3022	3003	2984	2965
7942	8007	7960	7913	7881	7849	7817
14978	15067	14945	14823	14731	14638	14546
693	697	692	686	682	677	673
526	529	525	521	517	514	511
202	203	202	200	199	197	196
63	64	63	63	62	62	62
728	732	726	720	716	711	707
1874	1885	1870	1854	1843	1831	1820
4417	4443	4407	4371	4344	4317	4290
1198	1205	1195	1186	1178	1171	1163
271	272	270	268	266	264	263
2198	2211	2193	2175	2162	2148	2134
146	147	146	144	143	143	142
54	54	54	54	53	53	53
27	27	27	27	27	26	26
140	141	140	138	138	137	136
143	143	142	141	140	139	138
2298	2314	2293	2275	2261	2248	2232
15062	15151	15028	14906	14813	14720	14627
10	10	10	10	10	10	9
27	27	27	27	26	26	26
31	31	31	31	30	30	30
165	166	165	163	162	161	160
198	200	198	196	195	194	193
1464	1473	1461	1449	1440	1431	1422
107	108	107	106	106	105	104
13060	13136	13029	12924	12844	12763	12683
4237	4262	4227	4193	4167	4140	4114
1756	1767	1752	1738	1727	1716	1705
219	221	219	217	216	214	213
305	307	304	302	300	298	296
298	299	297	295	293	291	289
131	131	130	129	128	128	127
60	61	60	60	59	59	59
39	39	39	39	38	38	38
723	727	721	716	711	707	702
706	710	705	697	695	689	685
2401	2416	2396	2377	2362	2347	2332
2579	2594	2573	2552	2536	2520	2504
4746	4774	4736	4697	4668	4638	4609
30	30	30	30	29	29	29
1404	1412	1401	1389	1381	1372	1363
1071	1077	1068	1060	1053	1046	1040
1389	1397	1386	1375	1366	1357	1349
852	858	851	843	839	834	828
7340	7384	7324	7264	7219	7174	7128
7167	7209	7151	7093	7048	7004	6960
1275	1282	1272	1262	1254	1246	1238
1098	1104	1096	1087	1080	1073	1066
684	688	682	677	672	668	664
4110	4135	4101	4067	4042	4017	3992

TABLE D-4. LOW-RANGE FOREIGN BACHELOR'S DEGREES AND IMMIGRATION

Disciplines	Projected Number of Degrees and Immigration 1989	1990	1991	1992
ARCH & ENV DESIGN	255	250	371	342
COMPUTER & INFO SCI	2069	1548	1739	1743
ENGINEERING	4781	4433	6296	5886
General	179	165	235	219
Aerospace	213	197	281	262
Bio/Biomedical	44	41	58	54
Ceramic	23	21	30	28
Chemical	270	251	356	333
Civil	516	478	680	635
Electrical	1623	1505	2137	1998
Industrial Engr	280	260	370	346
Materials Engr	30	27	38	36
Mechanical Engr	1026	952	1351	1263
Metallurgical Engr	31	28	41	37
Mining & Mineral	16	15	21	20
Nav Arch & Marine	26	25	35	32
Nuclear	20	19	27	25
Petroleum Engr	46	43	59	56
Other	62	67	105	96
ALLIED HLTH & SCI	331	257	305	301
Dental	4	3	4	4
Diagostic	5	3	4	5
Medical Lab Tech	11	8	10	10
Medicine	1	1	1	1
Pharmacy	30	23	27	27
Public Health	1	1	1	1
Veterinary	2	2	1	2
Health Sci Other	14	12	13	13
LIFE SCIENCES	398	359	496	468
Biology	291	261	362	341
Biochemistry	22	20	27	25
Botany	4	2	4	4
Microbiology	22	20	27	25
Ecology	4	4	6	5
Marine Biology	3	2	4	3
Toxicology	1	1	1	1
Zoology	30	28	38	36
Life Science Other	18	15	17	18
MATHEMATICS	907	744	939	907
OPERATIONS RESEARCH	771	646	832	799
PHYSICAL SCI & TECH	537	477	650	615
Phys Sci General	15	13	18	17
Chemistry	273	242	331	312
Geology	71	63	87	82
Physics	124	109	150	142
Other	32	24	25	26
PSYCHOLOGY	51	39	47	46
SOCIAL SCIENCE	153	134	180	171
Economics	34	31	41	38
Political Science	41	37	48	47
Sociology	20	17	23	22
Other	41	32	39	38

1993	1994	1995	1996	1997	1998	1999
350	347	346	346	344	344	343
1736	1721	1700	1674	1645	1638	1629
5983	5939	5923	5895	5863	5856	5846
223	221	221	220	219	218	219
267	264	264	262	262	261	260
55	55	55	54	54	54	54
29	28	29	27	28	28	28
338	335	335	333	331	331	330
646	641	640	636	633	632	631
2031	2016	2011	2001	1991	1988	1985
351	349	347	347	344	344	344
36	36	36	36	36	36	36
1284	1275	1271	1265	1258	1256	1255
38	38	38	38	38	38	38
20	20	20	19	19	19	19
33	33	33	33	33	33	33
25	25	25	24	25	24	25
57	57	56	56	56	56	55
98	98	98	98	98	98	98
301	299	295	292	287	286	286
4	4	4	4	4	4	4
4	4	4	4	4	4	4
10	10	10	10	10	9	9
1	1	1	1	1	1	1
27	26	27	26	26	26	26
1	1	1	1	1	1	1
2	2	2	1	1	1	1
13	13	13	12	13	12	13
474	470	469	465	463	462	461
345	343	342	339	338	337	336
26	26	26	26	26	26	25
4	3	3	3	3	3	3
26	26	26	25	25	25	25
5	5	5	5	5	5	5
3	3	3	3	3	3	3
1	1	1	1	1	1	1
36	36	36	36	35	35	35
18	18	18	18	18	17	18
913	906	900	890	881	878	875
806	800	794	788	779	777	775
623	619	616	612	608	607	605
17	17	17	17	16	17	16
316	314	313	311	308	308	307
83	83	82	81	81	81	80
143	142	142	141	140	139	139
27	25	26	25	25	25	25
47	45	46	45	44	44	44
173	171	171	170	168	169	167
39	39	39	38	38	38	38
47	47	46	46	46	46	45
22	22	22	22	22	22	22
39	37	38	38	36	36	36

2000	2001	2002	2003	2004	2005	2006
344	345	345	344	344	344	344
1640	1660	1657	1650	1645	1638	1635
5859	5880	5877	5870	5863	5856	5853
218	220	219	219	218	219	218
261	262	262	262	261	261	261
54	54	54	54	54	54	54
28	28	28	28	28	28	28
331	332	332	332	332	331	331
632	635	634	634	633	632	632
1989	1996	1995	1992	1990	1989	1987
344	346	345	344	345	343	344
36	36	36	36	36	36	36
1257	1261	1261	1259	1258	1256	1256
38	38	38	38	38	38	38
19	19	19	19	19	19	19
33	33	33	33	33	33	33
24	25	24	25	24	25	24
56	56	56	56	56	56	55
98	98	98	98	98	98	98
287	289	290	289	287	286	287
4	4	4	4	4	4	4
4	4	4	4	4	4	4
9	10	10	10	10	9	9
1	1	1	1	1	1	1
26	26	26	26	26	26	26
1	1	1	1	1	1	1
1	1	1	1	1	1	1
12	13	12	13	12	13	12
462	464	465	463	463	462	462
338	338	339	338	338	337	337
26	26	26	26	26	26	26
3	3	3	3	3	3	3
25	25	25	25	25	25	25
5	5	5	5	5	5	5
3	3	3	3	3	3	3
1	1	1	1	1	1	1
35	35	36	35	35	35	35
17	18	17	18	17	17	17
879	885	885	882	881	878	878
778	784	783	781	779	777	777
606	610	609	608	608	607	606
17	16	17	16	17	16	17
308	310	310	309	309	308	308
81	81	81	81	81	81	80
139	140	140	140	139	139	139
25	25	25	25	25	25	25
44	44	44	44	44	44	44
169	169	169	168	169	168	168
38	38	38	38	38	38	38
46	46	46	46	46	46	45
22	22	22	22	22	22	22
36	37	37	36	36	36	36

2007	2008	2009	2010	2011	2012	2013
343	343	343	343	343	343	343
1631	1627	1625	1623	1619	1617	1614
5849	5845	5843	5840	5837	5834	5831
219	217	218	218	218	218	218
260	260	260	260	260	260	259
54	54	54	54	54	54	54
28	28	28	28	28	28	28
331	330	330	330	330	329	329
631	631	630	631	630	630	630
1985	1985	1983	1982	1982	1981	1979
344	344	343	343	343	343	342
36	36	36	35	35	35	35
1255	1254	1254	1253	1252	1252	1251
38	37	37	37	37	37	37
19	19	19	19	19	19	19
33	33	33	33	33	32	32
25	24	25	24	25	24	25
55	55	55	55	55	55	55
98	98	98	98	98	98	98
285	285	285	284	284	283	283
4	4	4	4	4	4	4
4	4	4	4	4	4	4
9	9	9	9	9	9	9
1	1	1	1	1	1	1
26	26	26	26	26	26	26
1	1	1	1	1	1	1
1	1	1	1	1	1	1
13	12	13	12	13	12	13
461	461	460	461	460	460	460
336	337	335	336	336	336	336
25	25	25	25	25	25	25
3	3	3	3	3	3	3
25	25	25	25	25	25	25
5	5	5	5	5	5	5
3	3	3	3	3	3	3
1	1	1	1	1	1	1
35	35	35	35	35	35	35
18	18	18	18	18	17	17
876	874	874	873	872	871	870
776	775	774	774	773	772	771
605	605	604	605	603	604	603
16	17	16	17	16	17	16
307	307	307	307	306	307	306
81	80	81	80	81	80	81
139	139	138	139	138	139	138
25	25	25	25	25	25	24
44	44	44	43	43	43	43
168	168	168	168	168	167	167
38	38	38	38	38	38	38
45	45	45	45	45	45	45
22	22	22	22	22	22	22
36	36	36	36	36	35	35

2014	2015	2016	2017	2018	2019	2020
343	343	343	343	343	343	343
1617	1619	1617	1617	1616	1617	1617
5834	5836	5834	5834	5833	5834	5834
218	218	218	218	218	218	218
260	260	260	260	260	260	260
54	54	54	54	54	54	54
28	28	28	28	28	28	28
329	329	329	329	329	329	329
630	630	630	630	630	630	630
1980	1981	1981	1980	1980	1980	1980
343	343	343	343	343	343	343
35	35	35	35	35	35	35
1252	1252	1252	1252	1252	1252	1252
37	37	37	37	37	37	37
19	19	19	19	19	19	19
32	32	32	32	32	32	32
24	25	24	25	24	25	24
55	55	55	55	55	55	55
98	98	98	98	98	98	98
283	284	283	283	283	283	283
4	4	4	4	4	4	4
4	4	4	4	4	4	4
9	9	9	9	9	9	9
1	1	1	1	1	1	1
26	26	26	26	26	26	26
1	1	1	1	1	1	1
1	1	1	1	1	1	1
12	13	12	13	12	13	12
460	460	460	460	460	460	460
336	336	336	336	336	336	336
25	25	25	25	25	25	25
3	3	3	3	3	3	3
25	25	25	25	25	25	25
5	5	5	5	5	5	5
3	3	3	3	3	3	3
1	1	1	1	1	1	1
35	35	35	35	35	35	35
17	17	17	17	17	17	17
871	871	871	871	870	871	871
772	772	772	772	771	772	772
603	604	604	603	603	603	603
17	16	17	16	17	16	17
307	306	307	306	307	306	307
80	81	80	81	80	81	80
139	138	139	138	139	138	139
24	25	25	24	24	24	24
43	43	43	43	43	43	43
167	167	167	167	167	167	167
38	38	38	38	38	38	38
45	45	45	45	45	45	45
22	22	22	22	22	22	22
35	35	35	35	35	35	35

TABLE D-5. LOW-RANGE FOREIGN MASTER'S DEGREES PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	150	104	176	176
COMPUTER & INFO SCI	504	348	596	595
ENGINEERING	3432	2365	4045	4043
General	128	88	152	151
Aerospace	153	105	180	180
Bio/Biomedical	32	22	38	38
Ceramic	16	11	19	19
Chemical	194	134	229	229
Civil	370	256	437	436
Electrical	1165	803	1374	1373
Industrial Engr	202	139	238	238
Materials Engr	21	14	24	24
Mechanical Engr	737	508	868	868
Metallurgical Engr	22	16	26	26
Mining & Mineral	11	8	14	14
Nav Arch & Marine	19	13	23	23
Nuclear	15	10	18	18
Petroleum Engr	33	23	39	39
Other	314	218	370	370
ALLIED HLTH & SCI	597	412	704	704
Dental	7	5	9	9
Diagostic	7	5	9	9
Medical Lab Tech	19	13	23	23
Medicine	1	1	1	1
Pharmacy	52	36	61	61
Public Health	3	2	4	4
Veterinary	3	2	4	4
Health Sci Other	505	347	594	594
LIFE SCIENCES	211	145	249	249
Biology	154	106	182	181
Biochemistry	12	8	14	14
Botany	2	1	1	1
Microbiology	11	8	14	14
Ecology	2	2	3	3
Marine Biology	1	1	1	1
Toxicology	1	0	0	0
Zoology	16	11	19	19
Life Science Other	12	1[illegible]	16	16
MATHEMATICS	525	362	618	618
OPERATIONS RESEARCH	160	110	189	189
PHYSICAL SCI & TECH	391	269	460	460
Phys Sci General	10	8	13	13
Chemistry	199	136	234	234
Geology	52	36	61	61
Physics	90	63	106	106
Other	40	27	46	46
PSYCHOLOGY	377	260	444	444
SOCIAL SCIENCE	368	254	434	434
Economics	84	58	99	99
Political Science	100	69	118	118
Sociology	48	33	56	56
Other	136	94	162	161

1993	1994	1995	1996	1997	1998	1999
176	176	176	176	176	176	176
595	595	595	595	595	595	595
4043	4043	4043	4043	4043	4043	4043
151	151	151	151	151	151	151
180	180	180	180	180	180	180
38	38	38	38	38	38	38
19	19	19	19	19	19	19
229	229	229	229	229	229	229
436	436	436	436	436	436	436
1373	1373	1373	1373	1373	1373	1373
238	238	238	238	238	238	238
24	24	24	24	24	24	24
868	868	868	868	868	868	868
26	26	26	26	26	26	26
14	14	14	14	14	14	14
23	23	23	23	23	23	23
18	18	18	18	18	18	18
39	39	39	39	39	39	39
370	370	370	370	370	370	370
704	704	704	704	704	704	704
9	9	9	9	9	9	9
9	9	9	9	9	9	9
23	23	23	23	23	23	23
1	1	1	1	1	1	1
61	61	61	61	61	61	61
4	4	4	4	4	4	4
4	4	4	4	4	4	4
594	594	594	594	594	594	594
249	249	249	249	249	249	249
181	181	181	181	181	181	181
14	14	14	14	14	14	14
1	1	1	1	1	1	1
14	14	14	14	14	14	14
3	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
19	19	19	19	19	19	19
16	16	16	16	16	16	16
618	618	618	618	618	618	618
189	189	189	189	189	189	189
460	460	460	460	460	460	460
13	13	13	13	13	13	13
234	234	234	234	234	234	234
61	61	61	61	61	61	61
106	106	106	106	106	106	106
46	46	46	46	46	46	46
444	444	444	444	444	444	444
434	434	434	434	434	434	434
99	99	99	99	99	99	99
118	118	118	118	118	118	118
56	56	56	56	56	56	56
161	161	161	161	161	161	161

2000	2001	2002	2003	2004	2005	2006
178	179	179	180	182	183	186
600	605	604	608	612	617	624
4077	4104	4099	4132	4161	4190	4242
151	153	153	154	155	157	158
182	183	183	184	185	187	189
38	38	38	38	39	39	39
20	20	20	20	20	20	20
230	232	231	233	236	237	239
439	443	443	446	450	452	457
1385	1393	1391	1403	1413	1422	1441
239	242	241	243	244	247	249
25	25	25	25	25	25	25
875	881	880	888	892	899	911
26	26	26	28	28	28	28
14	14	14	14	14	14	14
23	23	23	23	23	23	24
18	18	18	18	18	18	18
39	39	39	40	40	40	40
375	377	376	378	381	386	391
710	713	713	719	724	729	738
9	9	9	9	9	9	9
9	9	9	9	9	9	9
23	23	23	24	24	24	24
1	1	1	1	1	1	1
63	63	63	63	64	64	65
4	4	4	4	4	4	4
4	4	4	4	4	4	4
598	602	601	606	610	615	623
252	253	253	254	257	258	261
184	184	184	185	187	188	191
14	14	14	14	14	14	15
1	3	3	3	3	3	3
14	14	14	14	14	14	14
3	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
19	19	19	19	20	20	20
16	16	16	16	16	16	15
624	627	626	632	636	641	649
190	192	191	193	194	195	198
465	467	466	471	475	477	484
13	13	13	13	13	13	13
235	237	236	239	240	242	246
61	63	63	63	64	64	64
108	108	108	109	109	110	112
48	48	48	48	49	49	50
448	451	450	455	457	461	466
437	441	440	443	447	449	455
100	102	101	101	103	103	104
119	119	119	120	122	121	123
56	58	58	58	58	59	59
161	163	163	164	165	167	169

2007	2008	2009	2010	2011	2012	2013
188	191	192	194	195	195	197
632	639	647	654	656	657	661
4291	4341	4393	4443	4449	4464	4493
161	162	164	165	167	166	168
190	193	196	198	198	199	200
40	40	40	42	41	41	41
20	22	21	21	21	21	21
242	246	248	251	252	253	254
462	469	474	479	481	482	484
1457	1473	1491	1509	1511	1516	1526
252	254	258	261	262	263	264
27	26	26	26	26	26	28
921	932	942	954	954	958	965
28	29	29	29	29	29	29
14	14	14	15	15	15	15
24	24	24	25	25	25	25
19	19	19	19	19	19	19
42	41	43	43	43	43	43
395	398	405	408	408	409	412
747	756	764	773	774	777	782
9	9	9	9	9	10	10
9	10	10	10	10	10	10
24	25	25	25	25	25	25
1	1	3	3	3	3	3
65	67	68	68	68	69	69
4	4	4	4	4	4	4
4	4	4	4	4	4	4
632	636	643	652	653	653	659
265	267	271	273	274	275	277
193	194	197	199	200	200	202
15	15	15	15	15	15	15
3	3	3	3	3	3	3
14	14	15	15	15	15	15
3	3	3	3	3	3	3
1	1	1	1	1	1	1
2	1	1	1	1	1	1
20	20	20	20	22	21	21
15	17	16	16	15	17	16
655	664	672	679	681	682	687
199	202	204	207	208	208	209
489	495	500	506	507	508	512
13	14	14	14	14	14	14
248	252	254	257	258	258	261
65	67	66	68	68	68	69
113	114	115	117	116	118	118
50	49	50	52	51	51	51
471	478	482	489	489	490	493
460	466	471	476	478	479	482
105	107	108	109	109	110	110
126	127	128	129	130	130	130
60	60	62	61	63	63	63
169	173	174	177	176	176	179

2014	2015	2016	2017	2018	2019	2020
198	199	197	195	194	192	191
666	670	661	657	653	649	644
4519	4547	4496	4460	4435	4406	4378
169	169	167	166	165	165	164
202	203	200	199	197	196	195
41	43	41	41	41	41	40
21	21	21	21	21	21	21
255	257	255	252	251	248	247
487	491	486	480	478	476	472
1534	1543	1526	1514	1506	1496	1487
265	267	265	262	261	258	257
28	28	28	26	26	26	26
970	976	965	957	951	945	940
30	30	29	29	29	29	29
15	15	15	15	15	15	14
25	25	25	25	25	24	24
19	19	19	19	19	19	19
44	44	44	42	43	43	43
414	418	413	412	407	405	402
786	791	783	776	772	767	762
10	10	10	10	9	9	9
10	10	10	10	10	10	10
25	25	25	25	25	25	25
3	3	3	3	3	3	3
69	69	69	69	67	68	68
4	4	4	4	4	4	4
4	4	4	4	4	4	4
662	667	659	653	651	645	640
278	281	277	275	274	271	270
203	204	202	200	200	197	196
15	15	15	15	15	15	15
3	3	3	3	3	3	3
15	15	15	15	15	15	15
3	3	3	3	3	3	3
1	1	1	1	1	1	1
1	1	1	1	1	1	1
21	21	21	21	21	20	20
16	18	16	16	15	17	16
691	695	688	681	678	673	669
210	212	210	207	206	205	204
514	518	512	508	504	502	498
14	14	14	14	14	14	14
262	263	260	259	256	255	254
69	69	69	67	68	68	66
119	119	117	118	116	116	115
51	54	52	51	51	50	50
497	499	494	491	487	485	481
484	488	482	478	476	472	470
112	111	110	110	109	109	107
132	133	131	130	129	129	127
63	64	62	63	61	61	61
179	180	179	176	178	173	174

TABLE D-6. LOW-RANGE FOREIGN DOCTOR'S DEGREES PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	10	7	11	11
COMPUTER & INFO SCI	3	2	4	4
ENGINEERING	977	645	1111	1116
General	36	24	41	41
Aerospace	43	29	50	50
Bio/Biomedical	9	6	10	10
Ceramic	5	3	5	5
Chemical	55	36	63	63
Civil	105	70	120	120
Electrical	332	219	378	379
Industrial Engr	57	38	65	65
Materials Engr	6	4	6	6
Mechanical Engr	210	139	239	239
Metallurgical Engr	6	5	8	8
Mining & Mineral	3	2	4	4
Nav Arch & Marine	5	4	6	6
Nuclear	4	3	5	5
Petroleum Engr	9	7	11	11
Other	92	58	101	104
ALLIED HLTH & SCI	62	42	71	71
Dental	1	1	1	1
Diagostic	1	1	1	1
Medical Lab Tech	2	2	3	3
Medicine	0	0	0	0
Pharmacy	5	4	6	6
Public Health	0	0	0	0
Veterinary	0	0	0	0
Health Sci Other	53	35	60	60
LIFE SCIENCES	155	102	176	176
Biology	113	75	129	129
Biochemistry	9	6	10	10
Botany	1	1	1	1
Microbiology	8	6	10	10
Ecology	2	1	1	1
Marine Biology	1	1	1	1
Toxicology	0	0	0	0
Zoology	12	8	14	14
Life Science Other	9	6	10	10
MATHEMATICS	135	89	154	154
OPERATIONS RESEARCH	21	14	24	24
PHYSICAL SCI & TECH	413	273	470	472
Phys Sci General	11	7	13	13
Chemistry	210	139	239	239
Geology	55	36	63	63
Physics	95	63	109	109
Other	42	28	48	49
PSYCHOLOGY	133	88	151	151
SOCIAL SCIENCE	116	77	133	133
Economics	27	17	30	30
Political Science	31	21	36	36
Sociology	15	10	18	18
Other	43	28	49	49

1993	1994	1995	1996	1997	1998	1999
11	11	11	11	11	11	11
4	4	4	4	4	4	4
1120	1119	1123	1126	1125	1130	1138
41	41	41	43	43	43	43
50	50	50	50	50	50	50
10	10	10	10	10	10	10
5	5	5	5	5	5	5
64	64	64	64	64	64	64
122	121	121	121	121	121	123
380	380	382	383	383	384	387
67	66	66	66	66	66	66
6	6	6	6	6	6	6
240	240	242	241	241	243	244
8	8	8	8	8	8	8
4	4	4	4	4	4	4
6	6	6	6	6	6	6
5	5	5	5	5	5	5
11	11	11	11	11	11	11
101	101	103	103	103	104	107
71	71	71	71	71	71	73
1	1	1	1	1	1	1
1	1	1	1	1	1	1
3	3	3	3	3	3	3
0	0	0	0	0	0	0
6	6	6	6	6	6	6
0	0	0	0	0	0	0
0	0	0	0	0	0	0
60	60	60	60	60	60	62
178	178	178	179	179	179	180
130	130	130	130	130	130	132
10	10	10	10	10	10	10
1	1	1	1	1	1	1
10	10	10	10	10	10	10
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
14	14	14	14	14	14	14
10	10	10	12	11	11	11
155	155	155	157	156	156	158
24	24	25	25	25	25	25
473	473	474	477	476	478	481
13	13	13	13	13	13	13
240	240	240	242	241	243	244
63	63	64	64	64	64	64
109	109	109	110	110	110	112
49	49	49	49	49	49	49
153	153	153	154	154	154	155
133	133	134	134	134	134	135
30	30	30	30	30	30	32
36	36	36	36	36	36	36
18	18	18	18	18	18	18
49	49	50	50	50	50	50

2000	2001	2002	2003	2004	2005	2006
11	11	11	11	11	11	11
4	4	4	4	4	4	4
1132	1133	1149	1149	1152	1154	1161
43	43	43	43	43	43	44
50	50	52	51	51	51	51
10	10	10	10	12	11	11
5	5	5	5	5	5	5
64	64	65	65	65	65	65
123	123	124	124	124	125	125
385	385	390	390	392	391	394
66	66	68	68	68	68	69
6	6	8	8	8	8	8
242	243	247	246	248	248	249
8	8	8	8	8	8	8
4	4	4	4	4	4	4
6	6	6	6	6	6	6
5	5	5	5	5	5	5
11	11	11	11	11	11	11
105	105	105	107	105	107	106
73	73	73	73	74	74	74
1	1	1	1	1	1	1
1	1	1	1	1	1	1
3	3	3	3	3	3	3
0	0	0	0	0	0	0
6	6	6	6	6	6	6
0	0	0	0	0	0	0
0	0	0	0	0	0	0
61	61	61	61	63	63	63
179	179	182	181	183	183	184
130	130	133	133	133	133	134
10	10	10	10	10	10	10
1	1	1	1	1	1	1
10	10	10	10	10	10	10
1	1	1	1	1	1	1
1	1	1	1	1	1	1
0	0	0	0	0	0	0
14	14	14	14	14	14	14
11	11	11	11	13	13	13
156	156	159	159	159	160	160
25	25	25	25	25	25	25
479	479	485	485	487	488	491
13	13	13	13	13	13	14
242	243	246	247	246	248	249
64	64	65	65	65	65	65
110	110	112	111	113	113	113
50	50	50	50	50	50	50
154	154	157	156	156	158	158
134	134	137	136	136	136	138
30	30	32	31	31	31	31
36	36	38	38	38	38	38
18	18	18	18	18	18	18
50	50	50	50	50	50	52

2007	2008	2009	2010	2011	2012	2013
11	11	11	11	11	11	11
4	4	4	4	4	4	4
1169	1175	1183	1189	1194	1199	1204
44	44	44	44	45	45	45
53	53	53	53	53	54	54
11	11	11	11	11	11	11
5	5	7	6	6	6	6
67	66	66	68	68	68	68
127	126	128	128	129	129	130
397	399	402	404	405	407	409
69	69	69	70	70	70	70
8	8	8	8	8	8	8
250	253	254	255	257	258	258
8	8	8	8	8	8	8
4	4	4	4	4	4	4
6	6	6	6	6	6	6
5	5	5	5	5	5	5
11	11	11	11	11	11	11
106	108	109	109	109	110	112
74	75	75	75	77	76	76
1	1	1	1	1	1	1
1	1	1	1	1	1	1
3	3	3	3	3	3	3
0	0	0	0	0	0	0
6	6	6	6	6	6	6
0	0	0	0	0	0	0
0	0	0	0	0	0	0
63	64	64	64	65	65	65
185	187	188	188	189	190	190
135	137	136	136	138	139	139
10	10	10	10	10	10	10
1	1	1	1	1	1	1
10	10	10	10	10	10	10
1	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
14	14	14	14	14	14	14
13	11	13	13	13	13	13
162	163	164	164	165	167	166
25	25	27	26	26	26	26
495	497	499	503	504	507	509
14	14	14	14	14	14	14
252	253	254	255	257	258	259
67	66	66	68	68	68	68
114	115	115	117	116	116	118
49	49	50	50	50	52	51
159	160	162	161	163	163	164
139	139	140	142	141	143	143
31	31	33	33	33	33	33
38	38	38	39	39	39	39
18	18	19	19	19	19	19
53	53	51	51	51	53	53

2014	2015	2016	2017	2018	2019	2020
11	11	11	11	11	11	11
4	4	4	4	4	4	4
1209	1214	1207	1203	1198	1193	1188
45	45	45	45	45	45	44
54	54	54	54	54	52	53
11	11	11	11	11	11	11
6	6	6	6	6	6	6
69	69	69	67	68	68	68
130	132	130	130	129	129	129
410	412	410	409	407	405	404
72	71	71	71	70	70	70
8	8	8	8	8	8	8
259	260	259	259	257	256	255
8	8	8	8	8	8	8
4	4	4	4	4	4	4
6	6	6	6	6	6	6
5	5	5	5	5	5	5
11	11	11	11	11	11	11
111	113	111	110	110	110	109
76	78	76	76	76	76	75
1	1	1	1	1	1	1
1	1	1	1	1	1	1
3	3	3	3	3	3	3
0	0	0	0	0	0	0
6	6	6	6	6	6	6
0	0	0	0	0	0	0
0	0	0	0	0	0	0
65	67	65	65	65	65	64
192	193	191	190	190	189	189
140	140	140	139	139	137	138
12	11	11	10	10	10	10
1	1	1	1	1	1	1
10	10	10	10	10	10	10
3	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
15	15	15	14	14	14	14
10	12	10	13	13	13	13
168	168	168	166	166	165	165
26	26	26	26	26	26	26
510	513	511	508	506	505	502
14	14	14	14	14	14	14
259	260	260	259	257	256	255
68	69	69	67	68	68	68
118	118	118	118	116	116	116
53	53	51	51	51	51	50
165	165	165	164	164	162	163
144	144	144	142	143	141	141
33	33	33	33	33	33	33
39	39	39	39	39	39	39
19	19	19	19	19	19	19
54	54	54	52	53	51	51

TABLE D-7. MID-RANGE TOTAL SUPPLY PROJECTIONS

Disciplines	1988 Inventory	Projected Inventory 1989	1990	1991	1992
ARCH & ENV DESIGN	115000	117811	120444	123178	126029
COMPUTER & INFO SCI	708000	736680	764662	793175	822728
ENGINEERING	2719000	2758066	2795183	2836559	2879305
General	103000	104872	106673	108640	110658
Aerospace	119000	120010	120939	122066	123258
Bio/Biomedical	27000	27673	28331	29033	29752
Ceramic	14000	14092	14177	14284	14397
Chemical	149000	150417	151728	153290	154933
Civil	356000	362707	369234	376257	383455
Electrical	641000	655070	668391	683119	698217
Industrial Engr	172000	174010	175913	178076	180319
Materials Engr	66000	66130	66254	66406	66571
Mechanical Engr	498000	503889	509350	515747	522420
Metallurgical Engr	19000	19140	19272	19432	19602
Mining & Mineral	21000	21060	21116	21188	21264
Nav Arch & Marine	14000	14089	14169	14272	14386
Nuclear	29000	28923	28843	28785	28737
Petroleum Engr	37000	36877	36743	36659	36598
Other	454000	459107	464050	469305	474738
ALLIED HLTH & SCI	5863000	5919834	5928254	5937162	5946452
Dental	167000	167731	168459	169197	169960
Diagostic	165000	165580	166156	166742	167353
Medical Lab Tech	242000	243515	245018	246548	248144
Medicine	535000	535199	535400	535603	535811
Pharmacy	162000	164543	167021	169534	172189
Public Health	29000	29177	29365	29556	29755
Veterinary	46000	46368	46736	47109	47493
Health Sci Other	4517000	4567721	4570099	4572873	4575747
LIFE SCIENCES	459000	479692	499403	519035	539107
Biology	330000	344484	358248	371979	386054
Biochemistry	26000	27122	28189	29253	30342
Botany	4000	4295	4582	4863	5142
Microbiology	25000	26148	27242	28331	29444
Ecology	5000	5248	5488	5726	5967
Marine Biology	3000	3150	3294	3436	3581
Toxicology	1000	1072	1142	1210	1278
Zoology	36000	37755	39437	41108	42804
Life Science Other	29000	30418	31781	33129	34495
MATHEMATICS	169000	174770	179740	185185	190750
OPERATIONS RESEARCH	210000	223296	236046	248914	261982
PHYSICAL SCI & TECH	312000	315904	319423	323482	327893
Phys Sci General	7000	7237	7459	7691	7930
Chemistry	153000	154852	156495	158420	160543
Geology	43000	44060	45055	46108	47201
Physics	74000	75739	77363	79089	80885
Other	35000	34016	33051	32174	31334
PSYCHOLOGY	276000	292850	307671	321527	335374
SOCIAL SCIENCE	531000	571097	605890	637776	669095
Economics	121000	129900	137609	144686	151660
Political Science	143000	153204	162028	170140	178164
Sociology	68000	73075	77471	81505	85477
Other	199000	214918	228782	241445	253794

1993	1994	1995	1996	1997	1998	1999
128748	131260	133531	135529	137272	138885	140387
852192	881277	909786	937535	964533	991257	1017750
2921735	2963169	3003291	3041749	3078573	3114665	3150127
112667	114640	116566	118432	120237	122015	123769
124439	125579	126664	127680	128626	129544	130438
30470	31182	31886	32578	33259	33935	34608
14510	14619	14723	14819	14908	14995	15079
156560	158133	159633	161044	162365	163649	164899
390647	397761	404762	411608	418303	424939	431528
713127	727615	741577	754897	767588	779960	792049
182547	184716	186811	188809	190713	192575	194401
66736	66898	67054	67203	67346	67487	67626
529018	535394	541481	547202	552569	557775	562845
19772	19936	20092	20238	20374	20506	20634
21342	21418	21491	21559	21624	21687	21750
14498	14605	14706	14800	14886	14969	15049
28691	28645	28596	28543	28486	28429	28372
36541	36482	36417	36344	36262	36180	36099
480170	485546	490832	495993	501027	506020	510981
5955741	5964912	5973917	5982670	5991185	5999615	6007988
170726	171488	172243	172985	173717	174446	175174
167966	168574	169175	169762	170337	170909	171479
249743	251329	252891	254417	255911	257395	258873
536020	536229	536436	536641	536843	537045	537247
174813	177363	179810	182128	184321	186460	188548
29953	30146	30333	30512	30683	30850	31014
47878	48262	48642	49017	49387	49756	50124
4578642	4581521	4584387	4587208	4589986	4592754	4595529
558440	576761	593906	609731	624295	638125	651297
399613	412456	424461	435528	445695	455347	464532
31391	32385	33315	34173	34961	35709	36421
5410	5666	5908	6136	6349	6552	6747
30516	31532	32484	33363	34173	34942	35675
6200	6421	6628	6819	6996	7165	7326
3720	3852	3976	4091	4197	4298	4394
1343	1404	1463	1517	1568	1616	1662
44436	45987	47442	48790	50035	51219	52348
35811	37058	38229	39314	40321	41277	42192
195960	200695	204911	208556	211673	214511	217112
274724	286995	298712	309798	320274	330385	340165
332167	336159	339800	343020	345839	348479	350975
8161	8380	8585	8775	8949	9115	9274
162589	164481	166178	167643	168888	170040	171114
48259	49263	50202	51065	51856	52608	53327
82625	84275	85815	87230	88524	89753	90929
30533	29760	29020	28307	27622	26963	26331
347757	358472	367465	374702	380386	385276	389520
696671	720165	739548	754829	766540	776431	784869
157802	163031	167337	170722	173305	175483	177340
185232	191247	196193	200066	203005	205482	207589
88974	91952	94404	96333	97806	99049	100108
264663	273935	281614	287708	292424	296417	299832

2000	2001	2002	2003	2004	2005	2006
141879	143440	144913	146267	147505	148631	149673
1044423	1071604	1098634	1125366	1151778	1177876	1203738
3185702	3221992	3257792	3292850	3327130	3360647	3393571
125528	127313	129081	130820	132531	134213	135872
131340	132279	133198	134088	134947	135775	136583
35287	35975	36661	37343	38020	38692	39363
15164	15254	15342	15426	15507	15586	15662
166158	167460	168739	169979	171177	172335	173463
438149	444865	451548	458173	464731	471223	477667
804110	816346	828348	840034	851392	862429	873205
196237	198115	199966	201774	203537	205258	206944
67767	67915	68062	68208	68351	68491	68630
567938	573181	578317	583290	588092	592731	597240
20763	20898	21031	21159	21283	21402	21517
21814	21881	21948	22013	22077	22139	22200
15128	15213	15296	15375	15452	15525	15596
28319	28273	28227	28181	28134	28086	28039
36027	35968	35910	35852	35793	35733	35672
515973	521056	526118	531135	536106	541029	545918
6016437	6025075	6033684	6042222	6050676	6059052	6067387
175907	176654	177400	178144	178884	179621	180355
172054	172645	173234	173820	174402	174980	175554
260367	261893	263415	264928	266428	267917	269396
537450	537656	537862	538068	538273	538478	538682
190648	192805	194924	196985	198986	200926	202817
31179	31347	31514	31678	31840	31999	32158
50496	50874	51252	51629	52004	52378	52751
4598336	4601201	4604083	4606970	4609859	4612753	4615674
664240	677293	689802	701645	712822	723366	733377
473567	482695	491443	499716	507517	514866	521837
37121	37829	38507	39148	39753	40324	40867
6936	7123	7302	7474	7638	7795	7945
36394	37117	37811	38468	39088	39673	40230
7483	7642	7794	7939	8075	8204	8326
4488	4582	4672	4758	4839	4916	4990
1707	1752	1795	1835	1874	1911	1946
53455	54565	55631	56642	57599	58504	59365
43089	43988	44847	45665	46439	47173	47871
219668	222324	224789	227014	229010	230790	232408
349814	359492	368887	377936	386643	395014	403096
353502	356203	358791	361204	363442	365509	367451
9431	9589	9742	9887	10024	10153	10275
172213	173416	174557	175607	176564	177429	178229
54039	54766	55466	56129	56757	57349	57913
92093	93285	94432	95519	96546	97514	98436
25726	25147	24594	24062	23551	23064	22598
393679	398166	402155	405519	408303	410572	412482
793129	802122	810006	816507	821742	825874	829248
179164	181163	182914	184354	185509	186416	187152
209669	211967	213976	215627	216945	217973	218800
101147	102285	103283	104102	104760	105275	105696
303149	306707	309833	312424	314528	316210	317600

2007	2008	2009	2010	2011	2012	2013
150633	151517	152335	153090	153777	154399	154962
1229365	1254760	1279950	1304937	1329687	1354201	1378493
3425903	3457656	3488886	3519599	3549700	3579211	3608170
137507	139120	140715	142288	143836	145360	146863
137367	138127	138870	139591	140291	140970	141626
40031	40696	41358	42016	42670	43321	43969
15737	15809	15879	15947	16013	16077	16139
174561	175628	176670	177685	178670	179624	180550
484064	490412	496718	502982	509192	515348	521455
883723	893987	904020	913822	923364	932659	941715
208596	210213	211806	213366	214891	216381	217838
68770	68908	69044	69179	69312	69444	69574
601621	605879	610020	614054	617960	621741	625406
21630	21740	21847	21951	22052	22149	22243
22260	22319	22378	22437	22494	22551	22606
15665	15732	15796	15858	15917	15974	16028
27992	27947	27902	27858	27814	27769	27724
35611	35551	35491	35432	35373	35314	35254
550768	555586	560372	565133	569851	574529	579180
6075694	6083960	6092201	6100412	6108555	6116630	6124662
181088	181820	182551	183280	184007	184731	185454
176127	176696	177263	177827	178389	178947	179504
270868	272332	273790	275239	276680	278113	279538
538887	539091	539295	539500	539704	539908	540111
204661	206457	208210	209919	211583	213202	214777
32316	32474	32631	32787	32941	33092	33241
53126	53499	53871	54242	54612	54981	55351
4618621	4621591	4624590	4627618	4630639	4633656	4636686
742876	751886	760452	768592	776282	783542	790400
528441	534696	540635	546268	551586	556604	561335
41381	41868	42330	42769	43184	43578	43949
8089	8227	8361	8490	8614	8732	8845
40759	41261	41738	42194	42623	43029	43413
8443	8554	8660	8761	8857	8948	9035
5060	5126	5189	5249	5307	5361	5412
1979	2011	2042	2071	2099	2125	2150
60186	60967	61711	62423	63096	63733	64337
48538	49176	49786	50367	50916	51432	51924
233875	235202	236410	237508	238478	239335	240091
410899	418430	425708	432740	439511	446032	452315
369274	370983	372592	374106	375509	376807	378011
10392	10502	10607	10707	10802	10892	10977
178967	179644	180271	180849	181372	181844	182269
58451	58965	59453	59919	60362	60780	61178
99314	100148	100943	101701	102419	103096	103737
22150	21724	21318	20930	20554	20195	19850
414070	415376	416459	417344	418003	418463	418762
831966	834113	835817	837144	838019	838508	838690
187740	188198	188556	188830	189003	189091	189110
219456	219959	220346	220635	220809	220885	220882
106029	106291	106494	106650	106748	106799	106810
318741	319665	320421	321029	321459	321733	321888

2014	2015	2016	2017	2018	2019	2020
155507	156033	156513	156950	157348	157723	158078
1402722	1426885	1450873	1474690	1498348	1521908	1545373
3636854	3665261	3693137	3720502	3747392	3773910	3800064
148354	149833	151289	152725	154141	155542	156926
142273	142912	143532	144132	144718	145290	145848
44616	45261	45904	46544	47182	47815	48447
16200	16259	16317	16374	16430	16484	16537
181465	182367	183241	184091	184918	185728	186520
527541	533606	539622	545591	551514	557405	563261
950631	959409	967962	976300	984438	992411	1000219
219279	220705	222100	223463	224799	226112	227403
69704	69836	69964	70091	70215	70339	70462
629016	632570	636017	639361	642612	645788	648897
22338	22431	22521	22608	22693	22776	22857
22661	22716	22770	22823	22875	22927	22976
16081	16133	16184	16232	16279	16325	16370
27681	27639	27597	27555	27513	27472	27431
35199	35145	35090	35035	34981	34928	34877
583815	588439	593027	597577	602084	606568	611033
6132691	6140724	6148663	6156517	6164295	6172022	6179695
186177	186902	187625	188348	189069	189791	190513
180060	180618	181173	181727	182279	182832	183383
280961	282385	283803	285217	286625	288033	289438
540315	540520	540724	540927	541130	541332	541535
216330	217860	219358	220824	222256	223666	225054
33389	33536	33677	33812	33943	34069	34190
55721	56091	56461	56830	57198	57566	57935
4639738	4642812	4645842	4648832	4651795	4654733	4657647
797022	803411	809465	815198	820637	825845	830831
565900	570305	574483	578444	582203	585806	589261
44307	44652	44980	45291	45586	45865	46132
8954	9059	9158	9252	9340	9423	9502
43783	44140	44478	44799	45104	45395	45673
9119	9200	9277	9349	9417	9482	9544
5462	5510	5556	5598	5638	5676	5713
2175	2198	2220	2241	2261	2280	2298
64921	65483	66016	66519	66997	67451	67886
52401	52864	53297	53705	54091	54467	54822
240819	241519	242134	242671	243145	243580	243981
458438	464405	470160	475714	481078	486282	491331
379189	380342	381414	382409	383333	384215	385059
11060	11140	11216	11288	11357	11422	11485
182685	183092	183462	183801	184110	184402	184680
61564	61938	62293	62628	62946	63251	63543
104361	104967	105541	106083	106598	107091	107564
19519	19205	18902	18609	18322	18049	17787
419093	419452	419695	419840	419906	419969	420029
838998	839413	839613	839628	839509	839414	839344
189159	189235	189265	189259	189226	189200	189182
220916	220981	221001	220981	220931	220896	220872
106839	106880	106899	106896	106878	106851	106851
322084	322317	322448	322492	322474	322457	322439

TABLE D-8. MID-RANGE BACHELOR'S DEGREES PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	8640	8642	8701	9007
COMPUTER & INFO SCI	33583	33760	34162	35540
ENGINEERING	65591	65608	66060	68382
General	2444	2445	2462	2548
Aerospace	2918	2919	2939	3042
Bio/Biomedical	606	606	610	632
Ceramic	313	313	316	327
Chemical	3705	3706	3731	3863
Civil	7075	7077	7125	7376
Electrical	22269	22275	22428	23217
Industrial Engr	3852	3853	3880	4016
Materials Engr	394	395	397	411
Mechanical Engr	14078	14082	14179	14677
Metallurgical Engr	427	428	431	446
Mining & Mineral	214	214	216	223
Nav Arch & Marine	361	362	364	377
Nuclear	279	279	281	291
Petroleum Engr	629	630	634	656
Other	6027	6024	6067	6280
ALLIED HLTH & SCI	60339	60355	60771	62907
Dental	730	730	735	761
Diagostic	755	755	760	787
Medical Lab Tech	1952	1952	1966	2035
Medicine	149	149	150	155
Pharmacy	5298	5300	5336	5524
Public Health	304	304	306	317
Veterinary	331	331	334	345
Health Sci Other	50820	2541	2558	2648
LIFE SCIENCES	36723	36733	36986	38286
Biology	26774	26782	26966	27914
Biochemistry	2042	2042	2057	2129
Botany	273	273	275	284
Microbiology	1980	1980	1994	2064
Ecology	372	372	374	387
Marine Biology	234	234	235	244
Toxicology	88	88	89	92
Zoology	2777	2778	2797	2895
Life Science Other	2183	2184	2199	2277
MATHEMATICS	15432	15436	15543	16089
OPERATIONS RESEARCH	17205	17209	17328	17937
PHYSICAL SCI & TECH	17591	17596	17717	18340
Phys Sci General	472	472	475	492
Chemistry	8931	8934	8995	9311
Geology	2346	2347	2363	2446
Physics	4054	4056	4083	4227
Other	99	99	100	103
PSYCHOLOGY	45050	45062	45372	46967
SOCIAL SCIENCE	100470	100497	101189	104746
Economics	22996	23002	23160	23974
Political Science	27254	27262	27449	28414
Sociology	13026	13029	13119	13580
Other	37194	37204	37461	38778

1993	1994	1995	1996	1997	1998	1999
9033	8990	8897	8761	8625	8599	8582
35819	35829	35633	35264	34891	34961	35067
68576	68253	67543	66511	65479	65286	65157
2555	2543	2517	2478	2440	2433	2428
3051	3036	3005	2959	2913	2904	2899
633	630	624	614	605	603	602
328	326	323	318	313	312	311
3874	3855	3815	3757	3699	3688	3680
7397	7362	7285	7174	7063	7042	7028
23283	23173	22932	22581	22231	22166	22122
4027	4008	3967	3906	3846	3834	3827
412	410	406	400	394	393	392
14719	14649	14497	14275	14054	14012	13985
447	445	440	433	427	426	425
224	223	221	217	214	213	213
378	376	372	367	361	360	359
292	291	288	283	279	278	277
658	655	648	638	628	627	625
6298	6271	6203	6111	6012	5995	5984
63085	62789	62136	61186	60237	60059	59940
763	760	752	740	729	727	725
789	786	778	766	754	752	750
2041	2031	2010	1979	1949	1943	1939
155	155	153	151	148	148	148
5540	5514	5456	5373	5289	5274	5263
318	317	313	309	304	303	302
346	345	341	336	331	330	329
2656	2643	2616	2576	2536	2528	2523
38394	38214	37816	37239	36661	36552	36480
27993	27861	27571	27151	26729	26650	26597
2135	2125	2103	2071	2038	2032	2028
285	284	281	277	272	271	271
2070	2060	2039	2008	1977	1971	1967
389	387	383	377	371	370	369
244	243	241	237	233	233	232
92	91	91	89	88	87	87
2903	2890	2860	2816	2772	2764	2759
2283	2273	2247	2213	2181	2174	2170
16135	16059	15892	15649	15406	15360	15330
17988	17903	17717	17446	17175	17125	17091
18392	18305	18115	17838	17561	17509	17475
494	491	486	479	471	470	469
9338	9294	9197	9056	8916	8889	8872
2453	2442	2416	2379	2342	2335	2331
4239	4219	4175	4111	4047	4035	4028
103	103	102	100	99	98	98
47100	46878	46391	45682	44973	44840	44752
105043	104549	103462	101881	100300	100003	99805
24042	23929	23681	23319	22957	22889	22844
28495	28361	28066	27637	27208	27128	27074
13619	13555	13414	13209	13004	12965	12940
38887	38704	38301	37716	37131	37021	36947

2000	2001	2002	2003	2004	2005	2006
8659	8812	8814	8780	8741	8701	8677
35556	36365	36556	36597	36615	36633	36711
65737	66898	66914	66657	66359	66060	65871
2450	2493	2493	2484	2473	2462	2455
2924	2976	2977	2965	2952	2939	2930
607	618	618	616	613	610	608
314	320	320	318	317	316	315
3713	3779	3780	3765	3748	3731	3721
7091	7216	7218	7190	7158	7125	7105
22319	22713	22718	22631	22530	22428	22364
3861	3929	3930	3915	3897	3880	3869
395	402	402	401	399	397	396
14109	14358	14362	14307	14243	14179	14138
428	436	436	434	432	431	429
215	218	219	218	217	216	215
362	369	369	367	366	364	363
280	285	285	284	283	281	281
631	642	642	640	637	634	632
6038	6144	6145	6122	6094	6067	6050
60474	61542	61557	61320	61046	60771	60597
732	745	745	742	739	735	733
757	770	770	767	764	760	758
1956	1991	1991	1984	1975	1966	1960
149	152	152	151	150	150	149
5310	5404	5405	5385	5361	5336	5321
305	310	310	309	308	306	306
332	338	338	337	335	334	333
2546	2591	2592	2582	2570	2558	2551
36805	37455	37464	37320	37153	36986	36880
26834	27308	27315	27210	27088	26966	26889
2046	2083	2083	2075	2066	2057	2051
273	278	278	277	276	275	274
1984	2019	2020	2012	2003	1994	1988
372	379	379	378	376	374	373
234	238	238	238	236	235	235
88	90	90	89	89	89	88
2783	2832	2833	2822	2810	2797	2789
2191	2228	2228	2219	2209	2199	2193
15467	15740	15744	15683	15613	15543	15498
17243	17548	17552	17484	17406	17328	17278
17630	17942	17946	17877	17797	17717	17666
473	481	482	480	478	475	474
8951	9109	9111	9076	9036	8995	8969
2352	2393	2394	2384	2374	2363	2356
4063	4135	4136	4120	4102	4083	4072
99	101	101	101	100	100	99
45150	45948	45959	45782	45577	45372	45242
100695	102474	102498	102104	101647	101190	100900
23047	23454	23460	23370	23265	23161	23094
27315	27798	27804	27698	27574	27450	27371
13055	13286	13289	13238	13179	13119	13082
37278	37936	37945	37798	37629	37460	37353

2007	2008	2009	2010	2011	2012	2013
8652	8627	8607	8587	8562	8538	8513
36789	36866	36965	37064	37143	37222	37301
65682	65493	65342	65191	65005	64819	64633
2448	2440	2435	2429	2422	2415	2408
2922	2914	2907	2900	2892	2884	2875
607	605	604	602	600	599	597
314	313	312	311	311	310	309
3710	3699	3691	3682	3672	3661	3651
7085	7064	7048	7032	7012	6992	6971
22300	22236	22185	22133	22070	22007	21944
3857	3846	3838	3829	3818	3807	3796
395	394	393	392	391	390	389
14097	14057	14024	13992	13952	13912	13872
428	427	426	425	424	422	421
215	214	213	213	212	212	211
362	361	360	359	358	357	356
280	279	278	278	277	276	275
630	628	627	626	624	622	620
6032	6016	6001	5988	5970	5953	5938
60424	60250	60111	59972	59801	59630	59459
731	729	727	726	723	721	719
756	754	752	750	748	746	744
1955	1949	1945	1940	1934	1929	1923
149	148	148	148	147	147	146
5306	5291	5278	5266	5251	5236	5221
305	304	303	302	302	301	300
332	331	330	329	328	327	327
2544	2537	2531	2525	2518	2510	2503
36774	36668	36584	36499	36395	36291	36187
26811	26734	26673	26611	26535	26459	26384
2045	2039	2034	2029	2024	2018	2012
273	272	272	271	270	270	269
1983	1977	1972	1968	1962	1957	1951
372	371	370	369	368	367	366
234	233	233	232	232	231	230
88	88	88	87	87	87	87
2781	2773	2767	2760	2752	2744	2737
2187	2181	2175	2172	2165	2158	2151
15454	15409	15374	15338	15294	15251	15207
17229	17179	17140	17100	17051	17002	16954
17616	17565	17524	17484	17434	17384	17334
473	471	470	469	468	466	465
8944	8918	8897	8877	8851	8826	8801
2350	2343	2337	2332	2325	2319	2312
4060	4048	4039	4030	4018	4007	3995
99	99	99	98	98	98	98
45113	44983	44879	44775	44648	44520	44392
100611	100321	100090	99859	99574	99289	99004
23028	22962	22909	22856	22791	22725	22660
27293	27214	27151	27089	27011	26934	26857
13044	13007	12977	12947	12910	12873	12836
37246	37138	37053	36967	36862	36757	36651

2014	2015	2016	2017	2018	2019	2020
8523	8532	8524	8516	8508	8513	8518
37528	37756	37910	38064	38219	38432	38645
64703	64772	64713	64653	64594	64629	64664
2411	2414	2411	2409	2407	2408	2410
2878	2881	2879	2876	2874	2875	2877
598	598	598	597	597	597	597
309	309	309	309	309	309	309
3655	3659	3655	3652	3649	3651	3653
6979	6986	6980	6974	6967	6971	6975
21968	21991	21971	21951	21931	21943	21954
3800	3804	3801	3797	3794	3796	3798
389	390	389	389	388	389	389
13887	13902	13889	13877	13864	13871	13879
422	422	422	421	421	421	421
211	212	211	211	211	211	211
357	357	357	356	356	356	356
276	276	276	275	275	275	275
621	622	621	620	620	620	621
5942	5949	5944	5939	5931	5936	5939
59523	59586	59532	59477	59423	59455	59487
720	721	720	720	719	719	720
745	746	745	744	744	744	744
1925	1928	1926	1924	1922	1923	1924
147	147	147	146	146	146	147
5227	5232	5228	5223	5218	5221	5224
300	300	300	300	300	300	300
327	327	327	327	326	326	327
2506	2509	2506	2504	2502	2503	2504
36226	36265	36231	36198	36165	36185	36204
26412	26440	26416	26392	26367	26382	26396
2014	2016	2015	2013	2011	2012	2013
269	269	269	269	269	269	269
1953	1955	1953	1952	1950	1951	1952
367	367	367	366	366	366	366
231	231	231	230	230	230	230
87	87	87	87	87	87	87
2740	2742	2740	2737	2735	2736	2738
2153	2158	2153	2152	2150	2152	2153
15223	15240	15226	15212	15198	15206	15214
16972	16990	16974	16959	16943	16953	16962
17353	17371	17356	17340	17324	17333	17343
466	466	466	465	465	465	465
8810	8819	8812	8804	8796	8800	8805
2315	2317	2315	2313	2311	2312	2313
4000	4004	4000	3997	3993	3995	3997
98	98	98	98	97	98	98
44440	44488	44447	44406	44365	44389	44414
99110	99216	99126	99035	98944	98998	99052
22684	22709	22688	22667	22647	22659	22671
26885	26914	26890	26865	26840	26855	26870
12850	12863	12852	12840	12828	12835	12842
36691	36730	36696	36663	36629	36649	36669

TABLE D-9. MID-RANGE MASTER'S DEGREES PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	2460	2550	2566	2574
COMPUTER & INFO SCI	7154	7454	7538	7600
ENGINEERING	15500	16070	16171	16222
General	717	744	748	751
Aerospace	544	564	568	570
Bio/Biomedical	209	217	218	219
Ceramic	66	68	68	69
Chemical	753	781	786	788
Civil	1939	2010	2023	2029
Electrical	4571	4739	4769	4784
Industrial Engr	1240	1285	1293	1297
Materials Engr	280	290	292	293
Mechanical Engr	2274	2358	2373	2380
Metallurgical Engr	151	157	157	158
Mining & Mineral	56	58	58	59
Nav Arch & Marine	28	29	29	29
Nuclear	145	150	151	152
Petroleum Engr	148	153	154	154
Other	2379	2467	2484	2490
ALLIED HLTH & SCI	17180	17812	17924	17980
Dental	11	12	12	12
Diagostic	31	32	32	32
Medical Lab Tech	35	37	37	37
Medicine	188	195	196	197
Pharmacy	226	235	236	237
Public Health	1670	1732	1743	1748
Veterinary	122	127	128	128
Health Sci Other	14897	15442	15540	15589
LIFE SCIENCES	10305	10684	10751	10784
Biology	4272	4429	4457	4471
Biochemistry	534	553	557	559
Botany	741	768	773	776
Microbiology	724	751	755	758
Ecology	318	329	331	332
Marine Biology	147	152	153	154
Toxicology	95	99	99	99
Zoology	1759	1824	1835	1841
Life Science Other	1715	1779	1791	1794
MATHEMATICS	3730	3867	3892	3904
OPERATIONS RESEARCH	4932	5114	5146	5162
PHYSICAL SCI & TECH	4437	4600	4629	4644
Phys Sci General	28	29	29	29
Chemistry	1312	1361	1369	1374
Geology	1001	1038	1044	1048
Physics	1298	1346	1355	1359
Other	798	826	832	834
PSYCHOLOGY	12338	12792	12872	12912
SOCIAL SCIENCE	27516	28528	28707	28797
Economics	4895	5075	5107	5123
Political Science	4216	4371	4398	4412
Sociology	2625	2722	2739	2747
Other	15780	16360	16463	16515

1993	1994	1995	1996	1997	1998	1999
2582	2582	2590	2590	2590	2590	2598
7661	7700	7762	7801	7840	7879	7943
16272	16272	16322	16322	16322	16322	16373
753	753	755	755	755	755	758
571	571	573	573	573	573	575
219	219	220	220	220	220	221
69	69	69	69	69	69	69
791	791	793	793	793	793	796
2036	2036	2042	2042	2042	2042	2048
4798	4798	4813	4813	4813	4813	4828
1301	1301	1305	1305	1305	1305	1310
294	294	295	295	295	295	296
2388	2388	2395	2395	2395	2395	2403
158	158	159	159	159	159	159
59	59	59	59	59	59	59
29	29	29	29	29	29	30
152	152	152	152	152	152	153
155	155	155	155	155	155	156
2499	2499	2508	2508	2508	2508	2512
18036	18036	18091	18091	18091	18091	18147
12	12	12	12	12	12	12
32	32	32	32	32	32	32
37	37	37	37	37	37	37
198	198	198	198	198	198	199
238	238	238	238	238	238	239
1754	1754	1759	1759	1759	1759	1764
129	129	129	129	129	129	129
15636	15636	15686	15686	15686	15686	15735
10818	10818	10851	10851	10851	10851	10885
4485	4485	4498	4498	4498	4498	4512
560	560	562	562	562	562	564
778	778	780	780	780	780	783
760	760	762	762	762	762	765
333	333	334	334	334	334	336
154	154	155	155	155	155	155
100	100	100	100	100	100	100
1846	1846	1852	1852	1852	1852	1858
1802	1802	1808	1808	1808	1808	1812
3916	3916	3928	3928	3928	3928	3940
5178	5178	5194	5194	5194	5194	5210
4658	4658	4672	4672	4672	4672	4687
29	29	29	29	29	29	29
1378	1378	1382	1382	1382	1382	1386
1051	1051	1054	1054	1054	1054	1057
1363	1363	1367	1367	1367	1367	1372
837	837	840	840	840	840	843
12952	12952	12992	12992	12992	12992	13032
28886	28886	28975	28975	28975	28975	29065
5138	5138	5154	5154	5154	5154	5170
4426	4426	4439	4439	4439	4439	4453
2756	2756	2764	2764	2764	2764	2773
16566	16566	16618	16618	16618	16618	16669

2000	2001	2002	2003	2004	2005	2006
2606	2614	2624	2634	2644	2655	2674
8007	8072	8143	8215	8288	8361	8464
16423	16474	16536	16599	16663	16726	16849
760	762	765	768	771	774	780
577	579	581	583	585	587	592
221	222	223	224	225	226	227
69	70	70	70	70	71	71
798	801	804	807	810	813	819
2055	2061	2069	2077	2085	2093	2108
4843	4858	4876	4895	4914	4932	4969
1314	1318	1323	1328	1333	1338	1348
297	298	299	300	301	302	304
2410	2417	2427	2436	2445	2454	2472
160	160	161	162	162	163	164
59	60	60	60	60	60	61
30	30	30	30	30	30	30
153	154	154	155	156	156	157
156	157	157	158	159	159	160
2521	2527	2537	2546	2557	2568	2587
18203	18259	18328	18399	18469	18539	18675
12	12	12	12	12	12	12
32	33	33	33	33	33	33
37	37	38	38	38	38	38
199	200	201	202	202	203	205
240	241	241	242	243	244	246
1770	1775	1782	1789	1796	1803	1816
130	130	131	131	132	132	133
15783	15831	15890	15952	16013	16074	16192
10918	10952	10993	11035	11078	11120	11201
4526	4540	4557	4575	4592	4610	4643
565	567	569	572	574	576	580
785	788	791	794	797	800	806
767	769	772	775	778	781	787
337	338	339	340	341	343	345
156	156	157	157	158	159	160
101	101	101	102	102	103	103
1864	1869	1876	1884	1891	1898	1912
1817	1824	1831	1836	1845	1850	1865
3952	3964	3979	3995	4010	4025	4055
5226	5242	5262	5282	5302	5322	5361
4701	4716	4734	4752	4770	4788	4823
30	30	30	30	30	30	30
1391	1395	1400	1406	1411	1416	1427
1061	1064	1068	1072	1076	1080	1088
1376	1380	1385	1391	1396	1401	1411
843	847	851	853	857	861	867
13072	13113	13162	13213	13263	13314	13411
29154	29244	29355	29467	29580	29693	29910
5186	5202	5222	5242	5262	5282	5321
4467	4481	4498	4515	4532	4549	4583
2781	2790	2801	2811	2822	2833	2854
16720	16771	16834	16899	16964	17029	17152

2007	2008	2009	2010	2011	2012	2013
2693	2713	2733	2753	2756	2760	2771
8568	8675	8782	8890	8945	9001	9084
16971	17097	17222	17347	17368	17389	17462
785	791	797	803	804	805	808
596	600	605	609	610	611	613
229	231	232	234	234	234	235
72	72	73	73	73	74	74
825	831	837	843	844	845	849
2123	2139	2155	2170	2173	2175	2185
5005	5042	5079	5116	5122	5128	5149
1357	1367	1377	1387	1389	1391	1397
307	309	311	313	314	314	315
2490	2509	2527	2546	2549	2552	2562
165	167	168	169	169	169	170
61	62	62	63	63	63	63
31	31	31	31	31	31	32
159	160	161	162	162	162	163
162	163	164	165	165	166	166
2604	2623	2643	2663	2666	2669	2681
18811	18950	19089	19227	19250	19273	19355
12	12	12	12	12	12	13
34	34	34	34	34	34	34
39	39	39	39	39	40	40
206	208	209	211	211	211	212
248	250	251	253	254	254	255
1829	1843	1856	1869	1872	1874	1882
134	135	136	137	137	137	138
16309	16429	16552	16672	16691	16711	16781
11283	11366	11449	11533	11546	11560	11609
4677	4712	4746	4781	4786	4792	4813
584	589	593	597	598	599	601
812	817	823	829	830	831	835
793	798	804	810	811	812	815
348	350	353	355	356	356	358
161	162	163	164	165	165	166
104	105	106	106	107	107	107
1926	1940	1954	1969	1971	1973	1981
1878	1893	1907	1922	1922	1925	1933
4084	4114	4144	4175	4180	4185	4202
5400	5440	5480	5520	5526	5533	5556
4858	4894	4930	4966	4972	4978	4999
31	31	31	31	31	31	31
1437	1448	1458	1469	1471	1472	1479
1096	1104	1112	1120	1122	1123	1128
1422	1432	1443	1453	1455	1457	1463
872	879	886	893	893	895	898
13509	13609	13708	13808	13824	13841	13899
30128	30350	30572	30795	30831	30868	30999
5359	5399	5438	5478	5484	5491	5514
4616	4650	4684	4718	4724	4729	4749
2874	2896	2917	2938	2941	2945	2957
17279	17405	17533	17661	17682	17703	17779

2014	2015	2016	2017	2018	2019	2020
2783	2795	2776	2757	2745	2733	2721
9168	9252	9236	9219	9225	9230	9235
17536	17609	17491	17372	17296	17219	17143
811	815	809	804	800	797	793
616	618	614	610	607	605	602
236	237	236	234	233	232	231
74	74	74	73	73	73	73
852	856	850	844	841	837	833
2194	2203	2188	2173	2164	2154	2145
5171	5193	5158	5123	5100	5078	5055
1403	1408	1399	1389	1383	1377	1371
317	318	316	314	312	311	310
2573	2584	2567	2549	2538	2527	2516
171	171	170	169	168	168	167
63	64	63	63	62	62	62
32	32	32	31	31	31	31
164	165	163	162	162	161	160
167	168	166	165	165	164	163
2692	2703	2686	2669	2657	2642	2631
19436	19518	19386	19255	19170	19085	19001
13	13	13	12	12	12	12
35	35	35	34	34	34	34
40	40	40	40	39	39	39
213	214	212	211	210	209	208
256	257	255	254	253	251	250
1890	1898	1885	1872	1864	1856	1847
139	139	138	137	137	136	135
16850	16922	16808	16695	16621	16548	16476
11658	11707	11628	11549	11498	11447	11397
4833	4853	4820	4788	4767	4745	4725
604	606	602	598	596	593	590
838	842	836	831	827	823	820
819	822	817	811	808	804	801
359	361	358	356	354	353	351
166	167	166	165	164	163	163
108	108	107	107	106	106	105
1990	1998	1985	1971	1963	1954	1945
1941	1950	1937	1922	1913	1906	1897
4220	4238	4209	4181	4162	4144	4125
5580	5603	5565	5528	5503	5479	5455
5020	5041	5007	4973	4951	4929	4907
32	32	31	31	31	31	31
1485	1491	1481	1471	1464	1458	1451
1133	1137	1130	1122	1117	1112	1107
1469	1475	1465	1455	1449	1442	1436
901	906	900	894	890	886	882
13958	14016	13922	13828	13767	13706	13645
31129	31260	31049	30838	30703	30567	30432
5537	5561	5523	5486	5462	5437	5413
4769	4789	4757	4725	4704	4683	4663
2970	2982	2962	2942	2929	2916	2903
17853	17928	17807	17685	17608	17531	17453

TABLE D-10. MID-RANGE FOREIGN BACHELOR'S DEGREES AND IMMIGRATION

Disciplines	Projected Number of Degrees and Immigration 1989	1990	1991	1992
ARCH & ENV DESIGN	260	255	377	350
COMPUTER & INFO SCI	2075	1606	1817	1834
ENGINEERING	5359	4918	6845	6457
General	200	183	255	240
Aerospace	238	220	304	288
Bio/Biomedical	50	46	63	60
Ceramic	26	24	33	30
Chemical	302	278	387	365
Civil	578	531	738	698
Electrical	1819	1669	2324	2192
Industrial Engr	314	289	402	379
Materials Engr	33	30	42	40
Mechanical Engr	1150	1056	1469	1385
Metallurgical Engr	34	32	44	42
Mining & Mineral	18	17	23	21
Nav Arch & Marine	30	28	38	36
Nuclear	22	21	28	28
Petroleum Engr	52	47	65	62
Other	305	249	304	298
ALLIED HLTH & SCI	364	289	342	340
Dental	5	4	5	4
Diagostic	5	4	5	4
Medical Lab Tech	12	9	11	11
Medicine	1	1	1	1
Pharmacy	33	26	31	30
Public Health	2	2	2	2
Veterinary	2	2	2	2
Health Sci Other	15	12	15	15
LIFE SCIENCES	438	394	536	509
Biology	320	287	391	371
Biochemistry	25	22	30	28
Botany	4	3	4	4
Microbiology	24	21	29	28
Ecology	4	4	6	6
Marine Biology	4	3	4	4
Toxicology	2	2	2	2
Zoology	33	30	42	39
Life Science Other	9	8	11	10
MATHEMATICS	1069	883	1094	1072
OPERATIONS RESEARCH	809	687	881	853
PHYSICAL SCI & TECH	566	506	684	652
Phys Sci General	16	14	19	18
Chemistry	287	256	348	331
Geology	75	67	91	87
Physics	131	116	157	150
Other	35	26	30	30
PSYCHOLOGY	56	44	53	52
SOCIAL SCIENCE	172	150	199	190
Economics	39	34	45	43
Political Science	46	41	54	51
Sociology	22	20	26	25
Other	48	38	46	45

1993	1994	1995	1996	1997	1998	1999
357	355	354	353	352	352	352
1836	1825	1807	1780	1756	1756	1752
6562	6523	6503	6466	6434	6434	6429
245	243	242	242	240	240	240
292	290	290	288	286	287	286
61	60	60	60	60	59	59
31	31	31	31	31	31	31
370	369	367	366	363	364	363
708	704	702	698	695	694	694
2228	2214	2208	2195	2184	2184	2182
386	383	382	380	378	378	377
40	40	39	39	39	39	39
1408	1400	1396	1388	1381	1380	1380
42	42	42	42	41	41	41
22	22	22	22	22	22	22
36	36	36	36	36	36	36
28	28	28	28	27	27	27
63	62	62	62	62	61	61
301	299	298	292	290	291	291
341	339	336	332	328	328	327
5	4	5	4	5	4	5
5	4	5	4	5	4	5
11	11	11	10	11	10	11
1	1	1	1	1	1	1
31	30	31	29	30	30	29
2	2	2	2	2	2	2
2	2	2	2	2	2	2
15	15	15	14	14	14	14
516	514	511	508	505	505	504
377	374	373	370	368	369	367
28	28	28	28	28	28	27
4	4	4	4	4	4	4
28	28	28	27	27	27	27
6	6	6	5	5	5	5
4	4	4	4	4	4	4
2	2	2	2	2	2	2
39	39	39	39	38	39	38
11	10	11	10	11	10	11
1079	1073	1066	1055	1044	1044	1043
862	857	852	844	837	837	836
661	656	655	650	646	646	645
18	18	18	18	18	18	18
335	333	333	330	328	328	327
88	88	88	87	86	86	86
152	151	150	150	149	148	148
31	29	29	29	29	29	29
53	52	52	51	50	51	50
193	191	191	189	188	188	188
44	44	43	43	43	42	42
53	51	52	52	51	51	51
25	25	24	25	24	25	24
45	45	46	44	44	44	44

2000	2001	2002	2003	2004	2005	2006
352	354	354	354	353	353	353
1771	1800	1794	1788	1780	1773	1770
6453	6495	6484	6477	6467	6457	6452
240	242	242	242	241	241	241
288	289	289	288	288	287	287
60	60	60	60	60	60	60
31	31	31	31	31	31	31
365	366	366	366	365	365	364
697	701	700	699	698	697	697
2191	2204	2201	2199	2195	2192	2190
379	382	381	380	380	380	379
39	39	39	39	39	39	39
1385	1393	1391	1390	1387	1386	1384
41	42	42	42	42	41	41
22	22	22	22	22	22	22
36	36	36	36	36	36	36
27	28	28	28	27	27	27
62	62	62	62	62	62	62
291	297	296	294	295	292	292
330	336	334	334	32	331	330
4	5	4	5	4	5	4
4	5	4	5	4	5	4
10	11	10	11	10	11	10
1	1	1	1	1	1	1
30	30	30	30	30	30	30
2	2	2	2	2	2	2
2	2	2	2	2	2	2
14	15	15	15	14	14	14
507	511	510	509	508	508	507
370	373	372	372	371	370	370
28	28	28	28	28	28	28
4	4	4	4	4	4	4
27	27	27	27	27	27	27
5	6	6	6	5	5	5
4	4	4	4	4	4	4
2	2	2	2	2	2	2
39	39	39	39	39	39	39
10	11	10	11	10	11	10
1050	1064	1060	1058	1055	1051	1050
841	850	848	846	844	842	841
648	654	652	651	650	648	649
18	18	18	18	18	18	18
329	332	331	330	331	329	330
86	87	87	87	87	86	86
149	150	150	150	150	149	149
29	30	30	29	28	29	29
51	51	51	51	51	51	51
189	190	190	190	189	189	188
43	43	43	43	43	43	43
51	52	52	52	52	52	51
25	24	25	24	25	24	25
44	45	45	45	44	44	44

2007	2008	2009	2010	2011	2012	2013
352	352	352	352	352	351	351
1765	1760	1757	1753	1749	1744	1740
6445	6440	6434	6430	6424	6417	6412
240	240	240	240	239	239	239
287	286	287	286	286	286	286
60	60	60	59	59	59	59
31	31	31	31	31	31	31
365	363	364	364	363	363	362
696	695	694	695	693	693	692
2188	2186	2185	2183	2180	2179	2176
379	378	378	377	377	377	376
39	39	39	39	39	39	39
1383	1382	1380	1380	1379	1377	1375
41	41	41	41	41	41	41
22	22	22	22	22	22	22
36	36	36	36	36	36	35
27	27	27	27	27	27	27
62	62	61	61	61	61	61
291	291	290	290	291	287	290
330	329	328	328	327	326	326
5	4	5	4	5	4	5
5	4	5	4	5	4	5
11	10	11	10	11	10	11
1	1	1	1	1	1	1
30	30	30	30	29	29	29
2	2	2	2	2	2	2
2	2	2	2	2	2	2
14	14	14	14	14	14	14
506	505	505	504	505	503	503
369	368	369	367	368	368	367
28	28	28	27	27	27	27
4	4	4	4	4	4	4
27	27	27	27	27	27	27
5	5	5	5	5	5	5
4	4	4	4	4	4	4
2	2	2	2	2	2	2
38	39	38	39	38	39	38
11	10	11	10	11	10	11
1048	1046	1045	1043	1041	1040	1037
840	838	838	836	835	833	832
647	647	646	645	644	644	643
18	18	18	18	18	18	18
329	328	328	327	327	326	327
86	86	86	86	86	86	86
149	149	148	148	148	148	148
29	29	29	29	28	28	27
50	51	50	51	50	51	50
189	188	188	188	188	187	187
43	43	42	42	42	42	42
51	51	51	51	51	51	51
24	25	24	25	24	25	24
44	44	44	44	44	43	43

2014	2015	2016	2017	2018	2019	2020
351	351	351	351	351	351	351
1743	1744	1742	1741	1739	1741	1742
6415	6417	6415	6412	6411	6412	6414
239	239	239	239	239	239	239
286	286	286	286	286	286	286
59	59	59	59	59	59	59
31	31	31	31	31	31	31
362	363	362	362	362	362	362
692	693	692	692	692	692	692
2178	2179	2177	2177	2177	2177	2178
377	376	377	376	377	376	377
39	39	39	39	39	39	39
1377	1376	1377	1375	1376	1376	1377
41	41	41	41	41	41	41
22	22	22	22	22	22	22
35	35	35	35	35	35	35
27	27	27	27	27	27	27
61	61	61	61	61	61	61
290	290	291	289	288	289	289
326	327	325	326	326	326	326
4	5	4	5	4	5	4
4	5	4	5	4	5	4
10	11	10	11	10	11	10
1	1	1	1	1	1	1
29	29	29	29	29	29	29
2	2	2	2	2	2	2
2	2	2	2	2	2	2
14	14	14	14	14	14	14
504	504	504	503	503	503	503
368	368	368	367	367	367	367
27	27	27	27	27	27	27
4	4	4	4	4	4	4
27	27	27	27	27	27	27
5	5	5	5	5	5	5
4	4	4	4	4	4	4
2	2	2	2	2	2	2
39	38	39	38	39	38	39
10	11	10	11	10	11	10
1039	1039	1038	1038	1038	1038	1039
833	834	833	833	832	832	833
644	644	644	644	643	643	644
18	18	18	18	18	18	18
326	327	326	327	326	327	326
86	86	86	86	86	86	86
148	148	148	148	148	148	148
28	28	28	28	27	27	28
51	50	51	50	51	50	51
187	187	187	187	187	187	187
42	42	42	42	42	42	42
51	51	51	51	51	51	51
25	24	25	24	25	24	25
43	43	43	43	43	43	43

TABLE D-11. MID-RANGE FOREIGN MASTER'S DEGREES PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	127	100	167	166
COMPUTER & INFO SCI	505	401	663	666
ENGINEERING	3737	2941	4880	4892
General	139	109	182	183
Aerospace	166	131	217	218
Bio/Biomedical	35	27	45	45
Ceramic	18	15	24	24
Chemical	211	166	275	277
Civil	403	317	527	528
Electrical	1269	999	1657	1661
Industrial Engr	219	173	287	288
Materials Engr	22	18	29	30
Mechanical Engr	802	632	1048	1049
Metallurgical Engr	24	19	31	31
Mining & Mineral	12	10	16	16
Nav Arch & Marine	21	16	26	28
Nuclear	16	12	22	21
Petroleum Engr	36	28	46	48
Other	344	270	450	446
ALLIED HLTH & SCI	717	564	936	938
Dental	9	7	11	11
Diagostic	9	7	11	11
Medical Lab Tech	23	18	30	30
Medicine	2	2	3	3
Pharmacy	63	49	83	83
Public Health	4	3	5	5
Veterinary	4	3	5	5
Health Sci Other	603	475	789	791
LIFE SCIENCES	541	426	706	708
Biology	394	311	514	517
Biochemistry	30	24	39	39
Botany	4	3	5	5
Microbiology	29	23	38	39
Ecology	5	5	8	8
Marine Biology	3	3	5	5
Toxicology	1	1	1	1
Zoology	41	32	54	54
Life Science Other	34	26	43	41
MATHEMATICS	857	675	1120	1122
OPERATIONS RESEARCH	321	253	419	420
PHYSICAL SCI & TECH	384	303	502	503
Phys Sci General	10	9	14	14
Chemistry	195	154	255	255
Geology	51	40	66	68
Physics	89	70	115	117
Other	39	30	52	50
PSYCHOLOGY	667	524	871	873
SOCIAL SCIENCE	1487	1170	1941	1946
Economics	340	268	444	445
Political Science	403	317	527	528
Sociology	193	152	252	253
Other	551	433	718	721

1993	1994	1995	1996	1997	1998	1999
168	168	168	168	168	168	168
667	666	669	669	669	669	670
4907	4904	4923	4920	4920	4920	4938
183	183	184	184	184	184	184
219	219	219	219	219	219	220
45	45	45	45	45	45	45
24	24	24	24	24	24	24
278	278	278	278	278	278	279
529	529	532	531	531	531	533
1666	1665	1671	1670	1670	1670	1676
288	288	289	289	289	289	290
30	30	30	30	30	30	30
1053	1053	1057	1056	1056	1056	1059
33	33	33	33	33	33	33
16	16	16	16	16	16	16
28	28	28	28	28	28	28
21	21	21	21	21	21	21
48	48	48	48	48	48	48
448	448	451	450	450	450	453
941	940	945	944	944	944	947
11	11	11	11	11	11	11
11	11	11	11	11	11	11
30	30	30	30	30	30	30
3	3	3	3	3	3	3
83	83	83	83	83	83	83
5	5	5	5	5	5	5
5	5	5	5	5	5	5
793	793	797	796	796	796	799
711	710	713	713	713	713	714
518	518	521	520	520	520	520
40	40	40	40	40	40	40
5	5	5	5	5	5	5
39	39	39	39	39	39	39
8	8	8	8	8	8	8
5	5	5	5	5	5	5
1	1	1	1	1	1	1
54	54	54	54	54	54	54
41	41	41	41	41	41	43
1126	1125	1130	1129	1129	1129	1133
422	421	423	423	423	423	426
506	505	507	506	506	506	508
14	14	14	14	14	14	14
257	256	258	258	258	258	258
68	68	68	68	68	68	68
116	116	116	116	116	116	118
52	51	51	51	51	51	51
876	875	878	878	878	878	881
1953	1951	1959	1958	1958	1958	1965
447	446	448	448	448	448	451
529	529	532	531	531	531	533
253	253	254	254	254	254	255
725	724	725	725	725	725	727

2000	2001	2002	2003	2004	2005	2006
169	169	170	170	172	171	173
673	676	678	681	683	686	691
4953	4968	4988	5006	5027	5045	5085
185	135	187	186	188	188	189
220	222	221	223	224	224	227
47	46	46	46	46	46	48
24	24	24	24	24	24	24
280	280	282	283	284	285	287
534	535	538	541	542	544	548
1681	1688	1694	1700	1706	1713	1726
292	291	293	294	295	297	299
30	30	30	30	30	30	30
1063	1067	1071	1075	1078	1084	1092
33	33	33	33	33	33	33
16	16	16	16	16	16	16
28	28	28	28	28	28	28
21	21	21	21	21	21	21
48	48	48	48	49	49	49
453	456	458	461	463	466	470
949	953	957	959	963	967	975
11	11	11	11	11	11	11
11	13	13	13	13	13	13
32	31	31	31	31	31	31
3	3	3	3	3	3	3
84	84	84	84	85	85	85
5	5	5	5	5	5	5
5	5	5	5	5	5	5
799	802	806	808	811	815	823
717	719	722	724	727	731	736
523	524	527	528	531	533	537
40	40	40	40	40	40	42
5	5	5	5	5	5	5
39	39	39	39	39	39	40
8	8	8	8	8	8	8
5	5	5	5	5	5	5
1	1	1	1	1	1	1
54	54	55	55	55	55	55
43	44	42	44	44	45	44
1136	1140	1145	1148	1154	1157	1167
427	428	429	430	433	434	437
509	512	513	516	517	519	523
14	14	14	14	14	14	14
259	260	260	262	263	264	265
68	69	69	69	69	69	70
118	118	118	119	119	120	120
51	51	53	53	53	53	54
883	887	889	893	897	899	908
1971	1976	1984	1992	2001	2008	2023
452	453	454	455	458	459	463
536	537	538	541	543	544	548
255	257	258	258	259	260	263
729	730	735	738	741	745	748

2007	2008	2009	2010	2011	2012	2013
174	175	177	178	179	179	179
696	701	706	711	712	713	716
5123	5160	5198	5237	5236	5243	5267
190	193	194	195	195	195	197
228	229	232	233	233	234	234
48	48	48	49	49	49	49
25	25	25	25	25	25	25
289	292	294	295	297	296	298
552	557	561	565	565	565	568
1739	1751	1765	1778	1778	1781	1788
300	303	306	308	308	308	309
32	31	31	31	31	31	31
1099	1108	1115	1124	1124	1125	1131
34	34	34	34	34	34	34
16	16	18	18	18	18	18
29	29	29	29	29	29	29
21	23	23	23	23	23	23
49	50	50	50	50	50	50
472	471	474	481	480	482	486
983	989	997	1004	1004	1005	1010
11	13	13	13	13	13	13
13	13	13	13	13	13	13
31	33	33	33	33	33	33
3	3	3	3	3	3	3
87	86	88	88	89	89	89
5	5	5	5	5	5	5
5	5	5	5	5	5	5
829	832	839	847	845	847	851
741	748	752	757	758	759	762
541	545	548	552	553	554	555
41	41	41	43	43	43	43
5	5	5	5	7	6	6
40	40	40	42	41	41	41
8	8	8	8	8	8	8
5	5	5	5	5	5	5
1	1	1	1	1	1	1
57	56	56	58	58	58	58
44	47	48	45	44	44	45
1176	1184	1193	1202	1202	1203	1209
441	445	447	451	450	452	453
527	531	535	538	539	539	542
14	14	14	15	15	15	15
268	269	272	273	274	274	275
70	72	71	71	71	71	73
122	123	123	124	124	124	125
54	54	55	55	55	55	54
914	920	928	934	934	935	940
2038	2053	2068	2083	2083	2086	2096
467	469	473	477	476	478	479
554	557	561	565	565	565	568
264	267	268	271	270	270	272
754	760	766	771	772	773	777

2014	2015	2016	2017	2018	2019	2020
180	182	180	179	177	176	176
720	722	715	710	708	704	702
5290	5312	5264	5229	5208	5186	5162
198	198	196	195	194	194	192
235	237	235	232	233	231	230
49	49	49	49	49	47	48
25	25	25	25	25	25	25
299	300	297	296	295	294	291
571	573	568	564	562	560	557
1795	1804	1788	1775	1769	1761	1752
310	312	310	307	306	305	304
31	33	31	31	31	31	31
1135	1140	1130	1122	1118	1113	1108
35	35	34	34	34	34	34
18	18	18	18	18	18	16
29	29	29	29	29	29	29
23	23	23	23	23	23	23
52	51	50	50	50	50	50
487	488	485	481	475	473	474
1015	1018	1010	1002	999	994	991
13	13	13	13	13	13	13
13	13	13	13	13	13	13
33	33	33	33	33	33	33
3	3	3	3	3	3	3
89	89	89	89	87	88	88
5	5	5	5	5	5	5
5	5	5	5	5	5	5
856	860	851	844	842	837	833
766	768	762	757	753	751	747
558	561	556	552	550	547	545
43	43	43	43	43	41	41
6	6	6	6	5	5	5
41	41	41	41	41	40	40
8	8	8	8	8	8	8
5	5	5	5	5	5	5
1	1	1	1	1	1	1
58	58	58	58	58	56	56
47	46	45	44	44	48	46
1214	1219	1209	1200	1195	1190	1184
456	457	453	449	449	446	443
544	547	542	538	536	533	531
15	15	15	15	15	14	14
277	278	275	274	272	271	270
73	73	73	71	71	71	71
125	127	125	124	124	122	123
55	55	55	55	54	55	54
943	947	939	933	929	926	920
2104	2113	2095	2081	2072	2063	2055
482	484	479	477	475	472	471
571	573	568	564	562	560	557
273	274	272	270	269	267	266
779	782	775	770	767	765	761

TABLE D-12. MID-RANGE FOREIGN DOCTOR'S DEGREES PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	11	8	14	14
COMPUTER & INFO SCI	3	2	4	4
ENGINEERING	1148	868	1457	1455
General	43	32	54	54
Aerospace	51	38	65	65
Bio/Biomedical	11	8	14	14
Ceramic	5	5	8	8
Chemical	65	49	83	83
Civil	124	94	158	158
Electrical	390	295	495	494
Industrial Engr	67	51	85	85
Materials Engr	7	5	9	9
Mechanical Engr	246	187	313	313
Metallurgical Engr	7	6	10	10
Mining & Mineral	4	3	5	5
Nav Arch & Marine	6	5	8	8
Nuclear	5	4	6	6
Petroleum Engr	11	8	14	14
Other	106	79	133	133
ALLIED HLTH & SCI	89	67	113	113
Dental	1	1	1	1
Diagostic	1	1	1	1
Medical Lab Tech	3	2	4	4
Medicine	0	0	0	0
Pharmacy	8	6	10	10
Public Health	0	0	0	0
Veterinary	0	0	0	0
Health Sci Other	76	57	97	96
LIFE SCIENCES	162	123	207	206
Biology	118	90	150	150
Biochemistry	9	7	11	11
Botany	1	1	1	1
Microbiology	9	7	11	11
Ecology	2	2	3	3
Marine Biology	1	1	1	1
Toxicology	0	0	0	0
Zoology	12	9	15	15
Life Science Other	10	8	14	14
MATHEMATICS	154	117	195	195
OPERATIONS RESEARCH	28	21	35	35
PHYSICAL SCI & TECH	433	328	550	549
Phys Sci General	12	9	15	15
Chemistry	220	166	279	279
Geology	58	44	74	74
Physics	100	75	127	126
Other	43	34	55	55
PSYCHOLOGY	146	110	186	185
SOCIAL SCIENCE	136	102	173	173
Economics	31	23	40	40
Political Science	37	28	46	46
Sociology	18	14	23	23
Other	50	38	64	64

1993	1994	1995	1996	1997	1998	1999
14	14	14	14	14	14	14
4	4	4	4	4	4	4
1466	1468	1472	1477	1476	1476	1476
55	55	55	55	55	55	55
65	65	65	67	66	66	66
14	14	14	14	14	14	14
8	8	8	8	8	8	8
83	83	83	84	84	84	84
158	159	159	159	159	159	159
498	499	500	502	501	501	501
87	86	86	86	86	86	86
9	9	9	9	9	9	9
314	315	317	316	316	316	316
10	10	10	10	10	10	10
5	5	5	5	5	5	5
8	8	8	9	9	9	9
6	6	6	6	6	6	6
14	14	14	14	14	14	14
134	134	135	135	135	135	135
114	114	114	114	114	114	114
1	1	1	1	1	1	1
1	1	1	1	1	1	1
4	4	4	4	4	4	4
0	0	0	0	0	0	0
10	10	10	10	10	10	10
0	0	0	0	0	0	0
0	0	0	0	0	0	0
98	98	98	98	98	98	98
206	208	208	209	209	209	209
150	152	151	153	153	153	153
11	11	11	11	11	11	11
1	1	1	1	1	1	1
11	11	11	11	11	11	11
3	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
15	17	16	16	16	16	16
14	12	13	13	13	13	13
197	196	198	198	198	198	198
35	37	36	36	36	36	36
553	554	555	558	558	558	558
15	15	15	15	15	15	15
280	282	281	283	283	283	283
74	74	74	74	74	74	74
128	128	128	129	129	129	129
57	56	58	58	58	58	58
187	186	186	188	188	188	188
173	174	174	174	174	174	174
40	40	40	40	40	40	40
46	48	48	48	48	48	48
23	23	23	23	23	23	23
64	64	64	64	64	64	64

2000	2001	2002	2003	2004	2005	2006
14	14	14	14	14	14	14
4	4	4	4	4	4	4
1470	1467	1465	1468	1469	1470	1478
55	55	55	55	55	55	55
65	65	65	65	65	65	67
14	14	14	14	14	14	14
8	8	8	8	8	8	8
82	83	83	83	83	83	84
159	159	157	159	159	159	159
500	499	497	499	499	499	502
86	86	86	86	86	86	86
9	9	9	9	9	9	9
316	315	315	315	315	315	317
10	10	10	10	10	10	10
5	5	5	5	5	5	5
7	8	8	8	8	8	9
6	6	6	6	6	6	6
14	14	14	14	14	14	14
135	134	134	134	135	137	135
114	114	114	114	114	114	114
1	1	1	1	1	1	1
1	1	1	1	1	1	1
4	4	4	4	4	4	4
0	0	0	0	0	0	0
10	10	10	10	10	10	10
0	0	0	0	0	0	0
0	0	0	0	0	0	0
98	98	98	98	98	98	98
207	208	208	208	208	208	209
151	151	151	151	151	151	153
11	11	11	11	11	11	11
1	1	1	1	1	1	1
11	11	11	11	11	11	11
3	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
16	16	16	16	16	16	16
13	13	13	13	13	13	13
198	196	196	196	198	198	198
36	36	35	35	37	36	36
555	554	552	554	554	555	558
15	15	15	15	15	15	15
281	281	280	282	281	281	283
74	74	74	74	74	74	74
127	128	128	128	128	128	129
58	56	56	56	56	58	58
186	186	186	186	186	186	188
174	174	172	174	174	174	174
40	40	40	40	40	40	40
48	48	46	48	48	48	48
23	23	23	23	23	23	23
64	64	64	64	64	64	64

2007	2008	2009	2010	2011	2012	2013
14	14	14	14	14	14	14
4	4	4	4	4	4	4
1484	1489	1495	1500	1505	1510	1515
55	55	57	56	56	56	56
66	66	66	66	68	68	68
14	14	14	14	14	14	14
8	8	8	8	8	8	8
84	84	84	85	85	85	85
160	160	162	161	163	163	164
504	505	508	509	510	513	514
88	88	88	88	89	89	89
9	9	9	9	9	9	9
319	319	320	322	323	324	325
10	10	10	10	10	10	10
5	5	5	5	5	5	5
9	9	9	9	9	9	9
6	6	6	6	6	6	6
14	14	14	15	15	15	15
134	138	138	138	136	138	139
115	115	117	116	116	116	118
1	1	1	1	1	1	1
1	1	1	1	1	1	1
4	4	4	4	4	4	4
0	0	0	0	0	0	0
10	10	10	10	10	10	10
0	0	0	0	0	0	0
2	1	1	1	1	1	1
98	98	99	99	99	99	100
210	210	212	213	213	214	214
153	153	154	155	155	157	156
11	11	11	11	11	13	13
1	1	1	1	1	1	1
11	11	11	11	11	11	11
3	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
16	16	16	16	16	16	16
14	14	14	14	14	12	13
199	200	200	202	201	203	203
36	36	36	36	36	36	36
559	562	564	567	568	571	572
15	15	15	15	15	15	15
284	285	287	288	288	291	290
75	75	75	75	77	76	76
129	129	130	130	132	131	131
56	58	58	59	57	58	59
188	189	190	190	192	191	193
175	177	176	178	178	179	179
40	40	40	42	41	41	41
48	48	48	49	49	49	49
23	23	23	23	23	24	24
65	67	66	65	65	65	65

2014	2015	2016	2017	2018	2019	2020
15	15	15	14	14	14	14
4	4	4	4	4	4	4
1520	1525	1518	1513	1508	1504	1499
56	56	56	56	56	56	56
68	68	68	68	68	68	66
14	14	14	14	14	14	14
8	8	8	8	8	8	8
87	86	86	85	85	85	85
164	164	164	164	162	163	161
517	518	516	513	512	511	508
89	90	89	89	89	89	87
9	9	9	9	9	9	9
327	328	326	325	324	322	323
10	10	10	10	10	10	10
5	5	5	5	5	5	5
9	9	9	9	9	9	9
6	6	6	6	6	6	6
15	15	15	15	15	15	15
139	140	139	139	137	136	138
118	118	118	118	116	116	116
1	1	1	1	1	1	1
1	1	1	1	1	1	1
4	4	4	4	4	4	4
0	0	0	0	0	0	0
10	10	10	10	10	10	10
0	0	0	0	0	0	0
1	1	1	1	1	1	1
100	100	100	100	99	99	99
215	215	215	214	214	212	213
156	156	156	156	156	155	155
13	13	13	13	13	11	11
1	1	1	1	1	1	1
11	11	11	11	11	11	11
3	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
16	16	16	16	16	16	16
14	14	14	12	13	14	14
204	204	204	202	203	201	201
36	38	36	36	36	36	36
573	576	574	571	570	567	566
15	15	15	15	15	15	15
292	293	291	290	290	287	288
76	76	76	76	76	76	75
133	133	133	131	131	131	130
57	59	59	59	57	58	59
193	194	192	193	191	191	190
179	180	180	179	179	177	178
41	41	41	41	41	41	41
49	49	49	49	49	49	49
24	24	24	24	24	22	23
65	67	66	65	65	65	65

TABLE D-13. HIGH-RANGE TOTAL SUPPLY PROJECTIONS

Disciplines	1988 Inventory	Projected Inventory 1989	1990	1991	1992
ARCH & ENV DESIGN	115000	118573	122338	126235	130276
COMPUTER & INFO SCI	708000	736700	766185	796461	828076
ENGINEERING	2719000	2775006	2832376	2895134	2960131
General	103000	105513	108088	110873	113746
Aerospace	119000	120755	122566	124622	126778
Bio/Biomedical	27000	27833	28685	29596	30535
Ceramic	14000	14171	14351	14557	14774
Chemical	149000	151366	153806	156557	159430
Civil	356000	364551	373310	382711	392403
Electrical	641000	660775	680888	702767	725286
Industrial Engr	172000	175027	178151	181603	185188
Materials Engr	66000	66244	66508	66809	67127
Mechanical Engr	498000	507457	517144	527986	539271
Metallurgical Engr	19000	19256	19523	19828	20147
Mining & Mineral	21000	21116	21238	21381	21534
Nav Arch & Marine	14000	14179	14363	14579	14807
Nuclear	29000	29001	29015	29057	29111
Petroleum Engr	37000	37039	37099	37219	37366
Other	454000	460723	467641	474989	482628
ALLIED HLTH & SCI	5863000	5927140	5938981	5951533	5964624
Dental	167000	167809	168644	169498	170387
Diagostic	165000	165660	166349	167058	167801
Medical Lab Tech	242000	243724	245515	247349	249275
Medicine	535000	535224	535462	535704	535953
Pharmacy	162000	165118	168374	171705	175230
Public Health	29000	29299	29674	30054	30444
Veterinary	46000	46410	46837	47272	47725
Health Sci Other	4517000	4573896	4578126	4582893	4587809
LIFE SCIENCES	459000	484055	509588	534991	561135
Biology	330000	348097	366493	384808	403667
Biochemistry	26000	27369	28764	30154	31585
Botany	4000	4239	4490	4737	4988
Microbiology	25000	26361	27751	29133	30555
Ecology	5000	5265	5537	5808	6087
Marine Biology	3000	3167	3338	3507	3681
Toxicology	1000	1073	1149	1222	1297
Zoology	36000	37955	39960	41955	44003
Life Science Other	29000	30529	32106	33667	35272
MATHEMATICS	169000	177645	186089	194865	203777
OPERATIONS RESEARCH	210000	223969	238130	252461	267141
PHYSICAL SCI & TECH	312000	317556	323450	329976	336933
Phys Sci General	7000	7282	7567	7866	8174
Chemistry	153000	155737	158629	161845	165299
Geology	43000	44314	45681	47118	48609
Physics	74000	76161	78400	80768	83227
Other	35000	34062	33173	32379	31624
PSYCHOLOGY	276000	296313	316171	334741	353324
SOCIAL SCIENCE	531000	583388	633312	678838	723565
Economics	121000	132926	144277	154633	164812
Political Science	143000	157032	170375	182551	194529
Sociology	68000	74811	81287	87194	92998
Other	199000	218619	237373	254460	271226

1993	1994	1995	1996	1997	1998	1999
134166	137828	141181	144217	146948	149517	151955
859807	891357	922354	952700	982373	1011880	1041300
3024921	3088769	3150822	3210868	3268890	3326031	3382499
116617	119460	122243	124955	127597	130?10	132801
128925	131031	133055	134991	136835	138641	140418
31478	32419	33349	34266	35170	?6072	36972
14991	15203	15407	15602	15787	15968	16148
162291	165096	167798	170386	172857	175278	177661
402130	411808	421348	430720	439924	449076	458200
747634	769553	790757	811180	830821	850071	869001
188762	192283	195700	199001	202185	205319	208415
67448	67770	68084	68390	68688	68984	69280
550480	561455	572016	582117	591760	601192	610455
20464	20775	21075	21362	21636	21904	22169
21688	21840	21988	22130	22268	22405	22540
15034	15255	15466	15666	15855	16040	16221
29168	29224	29276	29324	29366	29407	29449
37516	37663	37800	37924	38033	38139	38245
490295	497934	505460	512854	520108	527325	534524
5977751	5990840	6003717	6016350	6028744	6041068	6053367
171283	172179	173067	173945	174810	175676	176542
168550	169298	170038	170766	171482	172197	172913
251216	253153	255064	256944	258791	260634	262477
536203	536454	536704	536952	537197	537442	537689
178743	182195	185527	188725	191784	194788	197750
30830	31212	31584	31945	32295	32639	32979
48181	48637	49089	49537	49980	50423	50867
4592745	4597712	4602644	4607536	4612405	4617269	4622150
586544	610868	633726	655052	674876	693845	712087
421997	439543	456028	471406	485693	499365	512513
32976	34307	35559	36726	37813	38851	39851
5231	5465	5686	5893	6086	6271	6449
31937	33259	34503	35661	36739	37770	38762
6357	6615	6858	7086	7298	7501	7696
3850	4011	4163	4305	4437	4563	4685
1369	1438	1503	1564	1622	1677	1730
45993	47898	49689	51363	52921	54413	55847
36834	38332	39737	41048	42267	43434	44554
212196	219995	227018	233268	238790	243901	248671
281554	295539	308919	321657	333758	345497	356924
343731	350227	356250	361773	366800	371598	376211
8475	8764	9036	9291	9531	9761	9983
168664	171853	174777	177422	179791	182035	184180
50065	51464	52780	54014	55160	56262	57326
85628	87938	90113	92144	94032	95846	97596
30899	30208	29544	28902	28286	27694	27126
370186	385100	397785	408355	417011	424659	431521
763522	798308	827411	851223	870328	886948	901653
173908	181824	188447	193862	198206	201985	205328
205234	214551	222342	228712	233816	238256	242182
98182	102694	106468	109557	112034	114189	116098
286198	299239	310154	319092	326272	332518	338045

2000	2001	2002	2003	2004	2005	2006
154378	156861	159203	161366	163356	165184	166880
1071082	1101521	1131814	1161779	1191398	1220676	1249700
3439287	3497035	3553972	3609705	3664211	3717509	3769830
135405	138051	140669	143246	145781	148273	150730
142210	144045	145845	147590	149282	150920	152516
37882	38805	39726	40642	41551	42454	43351
16329	16514	16695	16872	17043	17209	17371
180062	182515	184920	187257	189524	191722	193867
467400	476747	486049	495263	504384	513412	522373
887951	907139	925964	944296	962126	979466	996396
211530	214702	217828	220883	223866	226780	229636
69581	69891	70199	70503	70803	71099	71392
619766	629259	638559	647578	656316	664775	673008
22436	22709	22977	23236	23488	23732	23969
22678	22821	22962	23101	23238	23373	23504
16404	16594	16779	16958	17130	17295	17455
29494	29547	29599	29648	29696	29742	29787
38362	38492	38619	38739	38853	38961	39064
541797	549204	556582	563893	571130	578296	585411
6065803	6078475	6091089	6103587	6115962	6128216	6140401
177421	178317	179213	180106	180995	181880	182764
173640	174384	175128	175867	176601	177330	178055
264347	266260	268170	270067	271950	273818	275675
537938	538190	538443	538695	538947	539198	539449
200741	203805	206819	209754	212604	215375	218079
33318	33660	33996	34325	34647	34962	35273
51317	51774	52232	52688	53142	53594	54045
4627081	4632085	4637088	4642085	4647076	4652059	4657061
730140	748353	765815	782339	797937	812658	826617
525527	538662	551259	563177	574425	585035	595096
40839	41838	42795	43701	44555	45361	46125
6624	6799	6966	7125	7276	7419	7556
39744	40734	41683	42582	43429	44230	44989
7889	8083	8268	8443	8609	8766	8916
4805	4926	5042	5151	5255	5354	5447
1782	1835	1885	1932	1977	2019	2059
57263	58690	60060	61356	62580	63737	64834
45667	46786	47857	48872	49831	50737	51595
253357	258110	262523	266521	270126	273367	276315
368272	379691	390780	401456	411719	421582	431095
380863	385684	390299	394625	398669	402443	406005
10203	10425	10639	10842	11035	11217	11390
186350	188621	190779	192780	194628	196329	197915
58385	59457	60489	61469	62396	63275	64116
99342	101116	102822	104439	105972	107423	108804
26583	26065	25570	25095	24638	24199	23780
438280	445341	451622	456952	461415	465112	468234
916079	931191	944436	955440	964428	971662	977602
208611	212051	215065	217569	219614	221259	222607
246042	250093	253645	256594	258999	260932	262515
117968	119927	121643	123069	124233	125170	125940
343458	349120	354083	358208	361582	364301	366540

2007	2008	2009	2010	2011	2012	2013
168452	169907	171259	172513	173664	174719	175687
1278469	1306987	1335286	1363369	1391202	1418786	1446137
3821184	3871593	3921123	3969792	4017505	4064279	4110180
153154	155544	157903	160230	162524	164783	167010
154070	155583	157056	158491	159885	161241	162557
44245	45134	46019	46900	47776	48647	49516
17528	17681	17830	17975	18117	18255	18388
195954	197987	199971	201908	203792	205622	207404
531262	540085	548844	557542	566164	574714	583195
1012921	1029050	1044810	1060207	1075211	1089833	1104094
232436	235182	237874	240516	243101	245630	248110
71684	71974	72262	72547	72829	73107	73383
681017	688805	696392	703782	710955	717919	724684
24201	24429	24650	24866	25075	25278	25475
23633	23760	23886	24011	24134	24255	24373
17611	17761	17906	18047	18184	18316	18443
29830	29872	29913	29952	29990	30026	30062
39164	39260	39352	39440	39523	39602	39678
592474	599486	606455	613378	620245	627051	633808
6152522	6164580	6176581	6188529	6200377	6212129	6223811
183644	184522	185398	186271	187141	188008	188873
178776	179495	180211	180923	181632	182337	183039
277523	279361	281190	283011	284821	286620	288410
539699	539950	540200	540451	540701	540951	541200
220717	223290	225802	228257	230649	232980	235250
35581	35885	36185	36482	36773	37057	37337
54496	54946	55395	55843	56290	56736	57181
4662086	4667131	4672200	4677291	4682370	4687440	4692521
839849	852384	864285	875576	886249	896333	905861
604627	613652	622217	630342	638018	645270	652119
46850	47535	48186	48803	49387	49938	50459
7686	7810	7928	8041	8148	8250	8347
45709	46390	47040	47656	48238	48788	49308
9057	9192	9320	9441	9555	9664	9767
5536	5620	5699	5775	5847	5915	5979
2098	2134	2169	2202	2233	2262	2290
65875	66862	67801	68692	69535	70331	71085
52411	53189	53925	54624	55288	55915	56507
278993	281418	283623	285629	287423	289027	290459
440271	449118	457660	465905	473847	481494	488858
409360	412514	415495	418309	420946	423408	425719
11555	11711	11860	12002	12136	12263	12384
199391	200761	202039	203231	204332	205342	206274
64916	65675	66403	67096	67756	68382	68976
110119	111371	112565	113703	114784	115806	116777
23379	22996	22628	22277	21938	21615	21308
470847	473014	474817	476303	477461	478333	478961
982417	986245	989306	991696	993414	994546	995183
223700	224566	225257	225796	226182	226434	226573
263795	264809	265614	266239	266686	266975	267132
126562	127056	127450	127757	127977	128122	128201
368360	369814	370985	371904	372569	373015	373277

2014	2015	2016	2017	2018	2019	2020
176614	177502	178320	179074	179771	180429	181048
1473433	1500675	1527743	1554642	1581387	1608043	1634611
4155579	4200482	4244565	4287866	4330434	4372409	4413795
169219	171409	173569	175698	177800	179878	181934
163855	165132	166374	167584	168762	169919	171050
50382	51247	52108	52964	53817	54667	55515
18518	18648	18774	18896	19015	19132	19247
209158	210884	2 .2565	214204	215802	217368	218903
591648	600069	608427	616719	624953	633142	641286
1118123	1131921	1145387	1158532	1171375	1183962	1196301
250558	252977	255346	257669	259948	262191	264394
73659	73935	74206	74475	74742	75007	75270
731332	737868	744224	750410	756434	762328	768094
25670	25862	26049	26230	26407	26581	26752
24492	24609	24725	24840	24951	25062	25172
18569	18692	18811	18926	19038	19148	19256
30098	30134	30168	30201	30234	30264	30295
39753	39828	39900	39967	40033	40098	40161
640545	647267	653932	660551	667123	673662	680165
6235485	6247146	6258690	6270120	6281462	6292737	6303945
189738	190605	191471	192337	193201	194067	194932
183742	184445	185146	185845	186543	187240	187938
290198	291987	293768	295544	297315	299084	300851
541450	541700	541950	542198	542446	542694	542942
237490	239696	241855	243969	246038	248073	250076
37614	37889	38154	38410	38659	38902	39138
57627	58074	58519	58964	59409	59854	60299
4697626	4702750	4707827	4712853	4717851	4722823	4727769
915038	923882	932292	940292	947901	955208	962218
658715	665068	671115	676869	682345	687601	692648
50960	51443	51902	52339	52754	53154	53537
8441	8531	8617	8698	8774	8847	8917
49809	50292	50751	51188	51603	52002	52383
9866	9962	10052	10138	10220	10299	10374
6040	6100	6157	6210	6261	6310	6356
2317	2343	2368	2392	2415	2437	2458
71812	72513	73178	73810	74410	74987	75539
57078	57630	58152	58648	59119	59571	60006
291817	293105	294262	295302	296241	297115	297927
496028	503012	509761	516281	522585	528707	534654
427954	430122	432158	434074	435877	437602	439247
12500	12613	12721	12824	12923	13018	13109
207173	208041	208846	209595	210292	210954	211582
69551	70108	70635	71139	71620	72079	72521
117718	118631	119499	120323	121106	121861	122584
21012	20729	20457	20193	19936	19690	19451
479587	480215	480703	481073	481345	481606	481857
995901	996685	997236	997581	997763	997982	998230
226730	226903	227025	227102	227142	227191	227247
267312	267509	267647	267735	267780	267837	267903
128293	128392	128462	128506	128530	128558	128592
373566	373881	374102	374238	374311	374396	374488

TABLE D-14. HIGH-RANGE BACHELOR'S DEGREES PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	9174	9492	9619	10016
COMPUTER & INFO SCI	33600	34956	35616	37291
ENGINEERING	79850	82620	83719	87175
General	2975	3079	3120	3248
Aerospace	3552	3675	3724	3878
Bio/Biomedical	738	763	773	805
Ceramic	381	395	400	416
Chemical	4510	4667	4729	4924
Civil	8613	8912	9030	9403
Electrical	27110	28051	28424	29597
Industrial Engr	4690	4852	4917	5120
Materials Engr	480	497	503	524
Mechanical Engr	17138	17733	17969	18711
Metallurgical Engr	520	538	546	568
Mining & Mineral	261	270	273	285
Nav Arch & Marine	440	455	461	480
Nuclear	340	352	357	371
Petroleum Engr	766	793	803	837
Other	7336	7588	7690	8008
ALLIED HLTH & SCI	66527	68835	69751	72630
Dental	805	833	844	879
Diagostic	832	861	873	909
Medical Lab Tech	2152	2227	2256	2349
Medicine	164	170	172	179
Pharmacy	5842	6044	6125	6378
Public Health	335	347	352	366
Veterinary	365	378	383	399
Health Sci Other	56032	2898	2937	3058
LIFE SCIENCES	42690	44171	44759	46606
Biology	31125	32205	32633	33980
Biochemistry	2374	2456	2489	2591
Botany	317	328	332	346
Microbiology	2302	2382	2413	2513
Ecology	432	447	453	472
Marine Biology	272	281	285	297
Toxicology	102	106	107	112
Zoology	3228	3340	3385	3525
Life Science Other	2538	2626	2662	2770
MATHEMATICS	18446	19086	19340	20139
OPERATIONS RESEARCH	18329	18964	19217	20010
PHYSICAL SCI & TECH	19152	19817	20080	20909
Phys Sci General	514	532	539	561
Chemistry	9724	10061	10195	10616
Geology	2555	2643	2678	2789
Physics	4414	4567	4628	4819
Other	108	111	113	118
PSYCHOLOGY	49955	51688	52376	54538
SOCIAL SCIENCE	117798	121884	123506	128604
Economics	26962	27897	28268	29435
Political Science	31955	33063	33503	34886
Sociology	15273	15802	16013	16674
Other	43608	45122	45722	47609

1993	1994	1995	1996	1997	1998	1999
10097	10097	10007	9889	9763	9763	9781
37800	38008	37875	37637	37361	37566	37842
87882	87882	87096	86075	84976	84976	85133
3275	3275	3246	3207	3167	3167	3172
3910	3910	3875	3829	3780	3780	3787
812	812	804	795	785	785	786
420	420	416	411	406	406	407
4964	4964	4920	4862	4800	4800	4809
9479	9479	9394	9284	9166	9166	9183
29837	29837	29570	29224	28851	28851	28904
5161	5161	5115	5055	4991	4991	5000
529	529	524	518	511	511	512
18862	18862	18694	18474	18239	18239	18272
573	573	568	561	554	554	555
287	287	284	281	278	278	278
484	484	480	474	468	468	469
374	374	371	367	362	362	363
843	843	836	826	815	815	817
8072	8072	7999	7907	7803	7803	7819
73219	73219	72565	71714	70798	70798	70929
886	886	878	868	856	856	858
916	916	908	897	886	886	888
2369	2369	2347	2320	2290	2290	2294
180	180	179	177	174	174	175
6429	6429	6372	6297	6217	6217	6228
369	369	366	362	357	357	358
402	402	398	394	389	389	389
3083	3083	3055	3019	2981	2981	2986
46984	46984	46564	46018	45430	45430	45514
34255	34255	33949	33551	33122	33122	33184
2612	2612	2589	2559	2526	2526	2531
349	349	346	342	337	337	338
2533	2533	2511	2481	2449	2449	2454
475	475	471	466	460	460	461
299	299	296	293	289	289	290
112	112	111	110	109	109	109
3553	3553	3521	3480	3436	3436	3442
2796	2796	2770	2736	2702	2702	2705
20302	20302	20121	19885	19631	19631	19667
20172	20172	19992	19758	19505	19505	19541
21079	21079	20890	20646	20382	20382	20419
566	566	561	554	547	547	548
10702	10702	10606	10482	10348	10348	10367
2812	2812	2786	2754	2719	2719	2724
4858	4858	4815	4758	4698	4698	4706
119	119	118	116	115	115	115
54980	54980	54489	53850	53162	53162	53260
129647	129647	128488	126982	125360	125360	125592
29674	29674	29409	29064	28693	28693	28746
35169	35169	34855	34446	34006	34006	34069
16809	16809	16658	16463	16253	16253	16283
47995	47995	47566	47009	46408	46408	46494

2000	2001	2002	2003	2004	2005	2006
9908	10106	10113	10072	10026	9980	9951
38542	39530	39777	39833	39869	39905	40006
86232	87960	88025	87667	87267	86866	86610
3213	3278	3280	3267	3252	3237	3227
3836	3913	3916	3900	3882	3864	3853
797	812	813	810	806	802	800
412	420	420	419	417	415	414
4871	4968	4972	4952	4929	4907	4892
9301	9488	9495	9456	9413	9370	9342
29277	29864	29886	29764	29628	29492	29405
5064	5166	5170	5149	5125	5102	5087
519	529	529	527	525	522	521
18508	18879	18893	18816	18730	18644	18589
562	573	574	571	569	566	564
282	287	287	286	285	284	283
475	485	485	483	481	479	477
367	375	375	373	372	370	369
828	844	845	841	837	834	831
7920	8079	8085	8053	8016	7978	7956
71845	73285	73339	73040	72707	72373	72160
869	887	887	884	880	876	873
899	917	918	914	910	906	903
2324	2371	2372	2363	2352	2341	2334
177	180	181	180	179	178	178
6309	6435	6440	6414	6384	6355	6336
362	370	370	368	367	365	364
395	402	403	401	399	397	396
3025	3085	3088	3075	3061	3047	3038
46102	47026	47061	46869	46655	46441	46304
33612	34286	34312	34172	34016	33860	33760
2563	2615	2617	2606	2594	2582	2575
342	349	349	348	346	345	344
2486	2535	2537	2527	2515	2504	2497
467	476	476	474	472	470	469
293	299	300	298	297	296	295
110	113	113	112	112	111	111
3486	3556	3559	3544	3528	3512	3502
2743	2797	2798	2788	2775	2761	2751
19921	20320	20335	20252	20160	20067	20008
19794	20190	20205	20123	20031	19939	19880
20683	21098	21113	21027	20931	20835	20774
555	566	567	564	562	559	557
10501	10712	10719	10676	10627	10578	10547
2759	2814	2816	2805	2792	2779	2771
4767	4863	4866	4846	4824	4802	4788
116	119	119	118	118	117	117
53948	55029	55070	54846	54595	54344	54184
127214	129763	129859	129330	128740	128149	127771
29117	29700	29722	29601	29466	29331	29244
34509	35200	35227	35083	34923	34763	34660
16493	16824	16836	16768	16691	16615	16566
47095	48039	48074	47878	47660	47440	47301

2007	2008	2009	2010	2011	2012	2013
9921	9892	9869	9846	9818	9790	9761
40107	40208	40335	40463	40569	40674	40780
86354	86098	85898	85699	85453	85206	84960
3218	3208	3201	3193	3184	3175	3166
3842	3830	3821	3812	3801	3790	3780
798	795	793	792	789	787	785
412	411	410	409	408	407	406
4878	4863	4852	4841	4827	4813	4799
9314	9287	9265	9244	9217	9191	9164
29318	29232	29164	29096	29013	28929	28845
5072	5057	5045	5033	5019	5004	4990
519	518	517	515	514	512	511
18534	18479	18436	18394	18341	18288	18235
563	561	560	559	557	555	554
282	281	281	280	279	278	277
476	474	473	472	471	470	468
368	367	366	365	364	363	362
829	826	824	822	820	818	815
7931	7909	7890	7872	7849	7826	7803
71946	71733	71567	71401	71195	70990	70785
870	868	866	864	861	859	856
900	898	896	893	891	888	886
2327	2320	2315	2310	2303	2296	2290
177	177	176	176	175	175	174
6318	6299	6284	6270	6252	6234	6216
363	362	361	360	359	358	357
395	394	393	392	391	390	389
3029	3020	3013	3006	2997	2989	2980
46167	46030	45924	45817	45685	45554	45422
33660	33560	33483	33405	33308	33213	33117
2567	2559	2553	2548	2540	2533	2526
343	342	341	340	339	338	337
2489	2482	2476	2470	2463	2456	2449
467	466	465	464	462	461	460
294	293	292	292	291	290	289
111	110	110	110	109	109	109
3491	3481	3473	3465	3455	3445	3435
2745	2737	2731	2723	2718	2709	2700
19949	19890	19844	19798	19741	19684	19627
19822	19763	19717	19671	19615	19558	19502
20712	20651	20603	20555	20496	20437	20378
556	554	553	552	550	548	547
10516	10485	10460	10436	10406	10376	10346
2763	2754	2748	2742	2734	2726	2718
4774	4760	4749	4738	4724	4710	4697
117	116	116	116	115	115	115
54024	53864	53739	53614	53460	53306	53152
127393	127015	126721	126427	126064	125700	125337
29158	29071	29004	28937	28854	28770	28687
34558	34455	34375	34296	34197	34098	34000
16516	16467	16429	16391	16344	16297	16250
47161	47022	46913	46803	46669	46535	46400

2014	2015	2016	2017	2018	2019	2020
9773	9784	9776	9768	9759	9765	9771
41052	41326	41518	41711	41905	42160	42417
85059	85158	85086	85014	84943	84992	85042
3170	3173	3171	3168	3165	3167	3169
3784	3788	3785	3782	3779	3781	3783
786	787	786	785	785	785	786
406	407	406	406	406	406	406
4805	4810	4806	4802	4798	4801	4804
9175	9185	9178	9170	9162	9167	9173
28879	28912	28888	28864	28839	28856	28873
4995	5001	4997	4993	4989	4992	4994
512	512	512	511	511	511	511
18256	18278	18262	18247	18231	18242	18253
554	555	555	554	554	554	554
278	278	278	278	277	278	278
469	469	469	468	468	468	469
362	363	362	362	362	362	362
816	817	817	816	815	816	816
7812	7823	7814	7808	7802	7806	7811
70867	70950	70890	70830	70770	70812	70853
857	858	858	857	856	857	857
887	888	887	886	886	886	887
2292	2295	2293	2291	2289	2291	2292
175	175	175	174	174	174	174
6223	6230	6225	6220	6214	6218	6222
357	358	357	357	357	357	357
389	390	389	389	389	389	389
2984	2987	2984	2982	2979	2981	2983
45475	45528	45489	45451	45413	45439	45466
33155	33194	33165	33138	33110	33129	33149
2529	2531	2529	2527	2525	2527	2528
338	338	338	338	337	337	338
2452	2455	2453	2451	2448	2450	2451
460	461	460	460	460	460	460
289	290	290	289	289	289	289
109	109	109	109	109	109	109
3439	3443	3440	3437	3434	3436	3438
2704	2707	2705	2702	2701	2702	2704
19650	19673	19656	19640	19623	19635	19646
19524	19547	19531	19514	19498	19509	19521
20402	20425	20408	20391	20374	20386	20398
547	548	548	547	547	547	547
10358	10370	10361	10353	10344	10350	10356
2721	2724	2722	2720	2718	2719	2721
4702	4708	4704	4700	4696	4699	4701
115	115	115	115	115	115	115
53214	53276	53231	53186	53141	53172	53204
125483	125629	125523	125417	125311	125385	125458
28721	28754	28730	28706	28681	28698	28715
34039	34079	34050	34022	33993	34013	34033
16269	16288	16274	16260	16247	16256	16266
46454	46508	46469	46429	46390	46418	46444

TABLE D-15. HIGH-RANGE MASTER'S DEGREES PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	3197	3637	3668	3689
COMPUTER & INFO SCI	7161	8195	8315	8412
ENGINEERING	19426	22098	22287	22413
General	899	1022	1031	1037
Aerospace	682	776	783	787
Bio/Biomedical	262	298	301	302
Ceramic	82	93	94	95
Chemical	944	1074	1083	1089
Civil	2430	2765	2788	2804
Electrical	5729	6517	6572	6609
Industrial Engr	1554	1767	1783	1793
Materials Engr	351	399	403	405
Mechanical Engr	2851	3243	3270	3289
Metallurgical Engr	189	215	217	218
Mining & Mineral	70	80	81	81
Nav Arch & Marine	35	40	40	40
Nuclear	181	206	208	209
Petroleum Engr	185	210	212	213
Other	2982	3393	3421	3442
ALLIED HLTH & SCI	20907	23783	23987	24123
Dental	14	15	16	16
Diagostic	37	42	43	43
Medical Lab Tech	43	49	49	49
Medicine	229	261	263	264
Pharmacy	275	313	316	318
Public Health	2033	2312	2332	2345
Veterinary	149	169	171	172
Health Sci Other	18127	20622	20797	20916
LIFE SCIENCES	4859	5527	5575	5606
Biology	2014	2291	2311	2324
Biochemistry	252	286	289	290
Botany	349	398	401	403
Microbiology	341	388	392	394
Ecology	150	170	172	173
Marine Biology	69	79	79	80
Toxicology	45	51	51	52
Zoology	829	943	952	957
Life Science Other	810	921	928	933
MATHEMATICS	3063	3485	3515	3534
OPERATIONS RESEARCH	3363	3825	3858	3880
PHYSICAL SCI & TECH	5000	5687	5736	5768
Phys Sci General	31	36	36	36
Chemistry	1479	1682	1697	1706
Geology	1128	1283	1294	1301
Physics	1463	1664	1679	1688
Other	899	1022	1030	1037
PSYCHOLOGY	7540	8577	8650	8699
SOCIAL SCIENCE	10825	12314	12420	12490
Economics	1926	2191	2209	2222
Political Science	1659	1887	1903	1914
Sociology	1033	1175	1185	1192
Other	6207	7061	7123	7162

1993	1994	1995	1996	1997	1998	1999
3689	3709	3709	3709	3720	3720	3730
8462	8561	8612	8664	8740	8793	8870
22413	22540	22540	22540	22603	22603	22666
1037	1043	1043	1043	1046	1046	1049
787	792	792	792	794	794	796
302	304	304	304	305	305	306
95	95	95	95	96	96	96
1089	1096	1096	1096	1099	1099	1102
2804	2820	2820	2820	2828	2828	2836
6609	6647	6647	6647	6665	6665	6684
1793	1803	1803	1803	1808	1808	1813
405	407	407	407	408	408	410
3289	3308	3308	3308	3317	3317	3326
218	220	220	220	220	220	221
81	81	81	81	82	82	82
40	41	41	41	41	41	41
209	211	211	211	211	211	212
213	215	215	215	215	215	216
3442	3457	3457	3457	3468	3468	3476
24123	24259	24259	24259	24327	24327	24395
16	16	16	16	16	16	16
43	43	43	43	43	43	43
49	50	50	50	50	50	50
264	266	266	266	267	267	267
318	320	320	320	320	320	321
2345	2359	2359	2359	2365	2365	2372
172	173	173	173	173	173	174
20916	21032	21032	21032	21093	21093	21152
5606	5638	5638	5638	5654	5654	5669
2324	2337	2337	2337	2344	2344	2350
290	292	292	292	293	293	294
403	406	406	406	407	407	408
394	396	396	396	397	397	398
173	174	174	174	174	174	175
80	80	80	80	81	81	81
52	52	52	52	52	52	52
957	962	962	962	965	965	968
933	939	939	939	941	941	943
3534	3554	3554	3554	3564	3564	3574
3880	3902	3902	3902	3913	3913	3924
5768	5801	5801	5801	5817	5817	5833
36	36	36	36	37	37	37
1706	1716	1716	1716	1721	1721	1725
1301	1309	1309	1309	1312	1312	1316
1688	1698	1698	1698	1702	1702	1707
1037	1042	1042	1042	1045	1045	1048
8699	8748	8748	8748	8773	8773	8797
12490	12560	12560	12560	12596	12596	12631
2222	2234	2234	2234	2241	2241	2247
1914	1924	1924	1924	1930	1930	1935
1192	1198	1198	1198	1202	1202	1205
7162	7204	7204	7204	7223	7223	7244

2000	2001	2002	2003	2004	2005	2006
3740	3751	3752	3759	3765	3772	3792
8948	9027	9084	9154	9226	9297	9403
22729	22792	22798	22839	22879	22919	23042
1052	1055	1055	1057	1059	1060	1066
798	800	801	802	804	805	809
306	307	307	308	309	309	311
96	96	96	97	97	97	97
1105	1108	1108	1110	1112	1114	1120
2844	2851	2852	2857	2862	2867	2883
6703	6721	6723	6735	6747	6759	6795
1818	1823	1823	1827	1830	1833	1843
411	412	412	413	413	414	416
3335	3345	3345	3351	3357	3363	3381
221	222	222	222	223	223	224
82	82	82	83	83	83	83
41	41	41	41	41	41	42
212	213	213	213	214	214	215
216	217	217	217	218	218	219
3489	3499	3501	3506	3510	3519	3538
24462	24530	24537	24580	24624	24667	24800
16	16	16	16	16	16	16
44	44	44	44	44	44	44
50	50	50	50	51	51	51
268	269	269	269	270	270	272
322	323	323	324	324	325	327
2378	2385	2386	2390	2394	2398	2411
174	175	175	175	175	176	177
21210	21268	21274	21312	21350	21387	21502
5685	5701	5703	5713	5723	5733	5764
2357	2363	2364	2368	2372	2377	2389
294	295	295	296	296	297	299
409	410	410	411	412	412	415
399	400	401	401	402	403	405
175	176	176	176	176	177	178
81	81	81	81	82	82	82
52	53	53	53	53	53	53
970	973	973	975	977	979	984
948	950	950	952	953	953	959
3584	3594	3595	3602	3608	3614	3634
3935	3946	3947	3954	3961	3968	3989
5850	5866	5867	5878	5888	5899	5930
37	37	37	37	37	37	37
1730	1735	1735	1739	1742	1745	1754
1320	1323	1324	1326	1328	1331	1338
1712	1717	1717	1720	1723	1726	1735
1051	1054	1054	1056	1058	1060	1066
8822	8846	8849	8864	8880	8896	8943
12666	12701	12704	12727	12749	12772	12840
2253	2259	2260	2264	2268	2272	2284
1941	1946	1946	1950	1953	1957	1967
1208	1212	1212	1214	1216	1219	1225
7264	7284	7286	7299	7312	7324	7364

2007	2008	2009	2010	2011	2012	2013
3812	3832	3852	3872	3874	3875	3889
9510	9617	9725	9834	9897	9960	10056
23165	23286	23407	23528	23537	23546	23631
1072	1077	1083	1089	1089	1089	1093
814	818	822	826	827	827	830
312	314	316	317	317	318	319
98	99	99	100	100	100	100
1126	1132	1138	1144	1144	1144	1149
2898	2913	2928	2943	2945	2946	2956
6831	6867	6903	6938	6941	6944	6969
1853	1862	1872	1882	1883	1883	1890
419	421	423	425	425	425	427
3399	3417	3435	3453	3454	3455	3468
226	227	228	229	229	229	230
84	84	85	85	85	85	85
42	42	42	43	43	43	43
216	218	219	220	220	220	221
220	222	223	224	224	224	225
3555	3573	3591	3610	3611	3614	3626
24932	25062	25192	25323	25333	25342	25434
16	16	16	16	16	16	16
44	45	45	45	45	45	45
51	51	52	52	52	52	52
273	275	276	278	278	278	279
328	330	332	334	334	334	335
2424	2437	2449	2462	2463	2464	2473
178	179	180	180	181	181	181
21618	21729	21842	21956	21964	21972	22053
5794	5825	5855	5885	5887	5890	5911
2402	2415	2427	2440	2440	2442	2450
300	302	303	305	305	305	306
417	419	421	423	423	424	425
407	409	411	413	414	414	415
179	180	180	181	181	182	182
83	83	83	84	84	84	84
53	54	54	54	54	54	55
989	994	999	1004	1005	1005	1009
964	969	977	981	981	980	985
3653	3672	3691	3710	3712	3713	3727
4010	4031	4052	4073	4075	4076	4091
5962	5993	6024	6055	6058	6060	6082
37	38	38	38	38	38	38
1764	1773	1782	1791	1792	1792	1799
1345	1352	1359	1366	1367	1367	1372
1745	1754	1763	1772	1773	1773	1780
1071	1076	1082	1088	1088	1090	1093
8991	9038	9085	9132	9136	9139	9172
12909	12976	13044	13111	13116	13121	13169
2296	2308	2320	2332	2333	2334	2343
1978	1988	1998	2009	2010	2010	2018
1232	1238	1244	1251	1251	1252	1256
7403	7442	7482	7519	7522	7525	7552

2014	2015	2016	2017	2018	2019	2020
3903	3917	3893	3870	3857	3845	3832
10153	10250	10250	10249	10277	10305	10332
23716	23801	23658	23515	23438	23362	23285
1097	1101	1095	1088	1084	1081	1077
833	836	831	826	823	820	818
320	321	319	317	316	315	314
100	101	100	99	99	99	99
1153	1157	1150	1143	1139	1136	1132
2967	2978	2960	2942	2932	2923	2913
6994	7019	6977	6934	6912	6889	6867
1897	1904	1892	1881	1875	1869	1862
428	430	427	425	423	422	421
3480	3493	3472	3451	3439	3428	3417
231	232	230	229	228	228	227
86	86	85	85	85	84	84
43	43	43	42	42	42	42
222	222	221	220	219	218	218
226	227	225	224	223	222	222
3639	3651	3631	3609	3599	3586	3572
25525	25616	25462	25309	25226	25143	25061
17	17	16	16	16	16	16
45	46	45	45	45	45	45
52	53	52	52	52	52	51
280	281	279	277	276	276	275
336	337	335	333	332	331	330
2482	2491	2476	2461	2453	2445	2437
182	183	181	180	180	179	179
22131	22208	22078	21945	21872	21799	21728
5932	5953	5918	5882	5863	5843	5824
2459	2468	2453	2438	2431	2422	2414
307	308	307	305	304	303	302
427	428	426	423	422	420	419
417	418	416	413	412	410	409
183	183	182	181	181	180	180
85	85	84	84	84	83	83
55	55	55	54	54	54	54
1013	1016	1010	1004	1001	997	994
986	992	985	980	974	974	969
3740	3753	3731	3708	3696	3684	3672
4106	4120	4096	4071	4057	4044	4031
6104	6126	6089	6052	6032	6012	5993
38	39	38	38	38	38	38
1806	1812	1801	1790	1784	1778	1773
1377	1382	1374	1365	1361	1356	1352
1786	1793	1782	1771	1765	1759	1754
1097	1100	1094	1088	1084	1081	1076
9205	9238	9182	9127	9097	9067	9038
13216	13263	13184	13104	13061	13018	12976
2351	2359	2345	2331	2323	2316	2308
2025	2032	2020	2008	2001	1994	1988
1261	1265	1258	1250	1246	1242	1238
7579	7607	7561	7515	7491	7466	7442

TABLE D-16. HIGH-RANGE FOREIGN BACHELOR'S DEGREES AND IMMIGRATION

Disciplines	Projected Number of Degrees and Immigration 1989	1990	1991	1992
ARCH & ENV DESIGN	265	262	384	357
COMPUTER & INFO SCI	2076	1676	1883	1916
ENGINEERING	5938	5465	7425	7075
General	222	204	277	264
Aerospace	264	243	330	315
Bio/Biomedical	55	50	68	66
Ceramic	28	26	35	34
Chemical	335	309	419	400
Civil	641	590	802	764
Electrical	2016	1855	2520	2402
Industrial Engr	348	321	436	416
Materials Engr	36	33	45	43
Mechanical Engr	1274	1173	1593	1518
Metallurgical Engr	38	36	48	46
Mining & Mineral	20	18	25	24
Nav Arch & Marine	33	30	42	40
Nuclear	25	23	31	30
Petroleum Engr	57	52	71	67
Other	358	300	358	355
ALLIED HLTH & SCI	396	325	380	381
Dental	5	4	5	5
Diagostic	5	5	5	5
Medical Lab Tech	13	11	12	12
Medicine	1	1	1	1
Pharmacy	36	29	34	34
Public Health	2	2	2	2
Veterinary	2	2	2	2
Health Sci Other	17	14	16	17
LIFE SCIENCES	477	433	577	553
Biology	348	316	422	403
Biochemistry	27	23	32	30
Botany	4	3	4	4
Microbiology	26	24	31	30
Ecology	5	5	6	6
Marine Biology	4	3	4	4
Toxicology	2	2	2	2
Zoology	36	33	44	42
Life Science Other	10	9	12	11
MATHEMATICS	1231	1038	1260	1247
OPERATIONS RESEARCH	846	736	931	908
PHYSICAL SCI & TECH	595	539	720	690
Phys Sci General	16	15	20	19
Chemistry	302	274	366	350
Geology	79	72	96	92
Physics	137	124	165	159
Other	39	29	34	35
PSYCHOLOGY	62	50	59	58
SOCIAL SCIENCE	190	169	217	211
Economics	43	38	49	48
Political Science	51	46	59	57
Sociology	24	22	28	28
Other	55	44	53	53

1993	1994	1995	1996	1997	1998	1999
365	363	362	362	361	361	361
1925	1923	1904	1884	1862	1868	1869
7191	7162	7138	7102	7067	7075	7079
268	267	266	265	264	264	264
320	319	317	316	315	315	315
66	66	66	65	65	65	65
34	34	34	34	33	33	34
407	405	403	401	399	400	400
776	773	771	766	763	763	764
2442	2432	2423	2411	2399	2402	2404
423	421	419	417	415	416	416
43	43	43	43	43	43	43
1543	1537	1531	1524	1517	1518	1519
46	46	46	46	45	45	46
24	24	24	23	23	23	23
40	40	39	39	39	39	39
30	30	30	30	30	30	30
68	68	68	68	67	67	67
358	358	355	353	348	349	349
384	383	379	376	372	373	374
5	5	5	5	4	5	4
5	5	5	5	5	5	5
12	12	12	12	12	12	12
1	1	1	1	1	1	1
35	34	34	34	33	33	34
2	2	2	2	2	2	2
2	2	2	2	2	2	2
16	17	16	17	16	17	16
562	560	558	555	552	553	552
410	408	407	405	402	403	403
31	30	31	30	31	30	31
4	4	4	4	4	4	4
31	30	31	29	30	30	30
6	6	6	6	6	6	6
4	4	4	4	4	4	4
2	2	2	2	2	2	2
44	43	42	43	42	43	42
11	11	11	11	11	11	11
1259	1256	1247	1237	1226	1229	1230
920	917	912	905	899	900	901
700	698	695	691	688	689	688
19	19	19	19	19	19	19
356	354	353	351	349	350	350
94	93	92	93	91	92	92
160	160	160	159	158	159	158
34	35	34	33	33	33	33
60	59	58	59	57	58	58
214	213	212	211	209	209	210
49	48	49	47	48	48	48
58	58	57	57	56	57	57
28	28	28	28	27	27	28
53	53	53	52	52	52	51

2000	2001	2002	2003	2004	2005	2006
362	364	363	363	362	363	362
1896	1932	1925	1918	1910	1902	1898
7123	7182	7170	7159	7145	7132	7125
265	268	267	267	266	266	266
317	320	319	318	319	317	317
65	66	66	66	66	66	65
34	34	34	34	34	34	34
403	406	405	404	404	403	403
769	775	773	773	771	769	769
2418	2439	2433	2431	2425	2421	2419
419	422	421	420	420	419	419
43	43	43	43	43	43	43
1529	1541	1538	1536	1534	1530	1529
46	46	46	46	46	46	46
23	24	24	24	24	24	23
39	40	40	40	40	39	39
30	30	30	30	30	30	30
68	68	68	68	68	68	68
354	360	360	357	356	356	355
379	384	384	382	381	379	378
6	5	5	5	5	5	5
5	5	5	5	5	5	5
12	12	12	12	12	12	12
1	1	1	1	1	1	1
34	35	34	35	33	34	34
2	2	2	2	2	2	2
2	2	2	2	2	2	2
17	16	17	16	17	16	17
557	561	560	560	559	557	556
406	409	408	409	407	407	406
30	31	30	31	30	31	30
4	4	4	4	4	4	4
30	31	30	31	30	31	30
6	6	6	6	6	6	6
4	4	4	4	4	4	4
2	2	2	2	2	2	2
43	43	43	43	42	43	42
11	11	11	11	11	11	11
1244	1261	1258	1254	1250	1246	1244
909	920	918	916	913	911	909
694	700	699	697	696	695	694
19	19	19	19	19	19	19
352	355	354	354	354	353	352
93	93	93	93	92	93	92
160	161	161	160	160	160	159
34	35	34	35	34	34	35
59	59	59	59	59	58	59
211	214	213	213	212	212	212
48	49	48	49	48	48	48
57	58	58	58	57	57	57
28	28	28	28	28	28	28
52	53	53	53	53	53	53

2007	2008	2009	2010	2011	2012	2013
362	362	362	362	361	361	361
1892	1887	1883	1879	1874	1870	1865
7117	7108	7102	7096	7087	7079	7071
266	265	265	265	264	264	264
317	317	316	316	315	315	314
65	65	65	65	65	65	65
34	34	34	34	34	34	33
402	401	401	401	400	400	400
768	767	766	766	765	764	763
2416	2413	2411	2409	2406	2404	2400
418	417	417	416	417	415	416
43	43	43	43	43	43	43
1527	1525	1524	1523	1521	1519	1517
46	46	46	46	46	46	45
23	23	23	23	23	23	23
39	39	39	39	39	39	39
30	30	30	30	30	30	30
68	68	67	67	67	67	67
353	354	353	351	351	349	351
378	377	376	375	374	374	373
5	5	5	5	5	4	5
5	5	5	5	5	5	5
12	12	12	12	12	12	12
1	1	1	1	1	1	1
34	34	34	34	34	34	33
2	2	2	2	2	2	2
2	2	2	2	2	2	2
16	17	16	17	16	17	16
557	555	555	554	553	552	553
406	405	404	405	403	403	403
31	30	31	30	31	30	31
4	4	4	4	4	4	4
31	29	30	30	30	30	30
6	6	6	6	6	6	6
4	4	4	4	4	4	4
2	2	2	2	2	2	2
43	42	43	42	43	42	43
11	11	11	11	11	11	11
1241	1239	1236	1235	1232	1230	1228
908	906	906	904	902	902	900
693	692	692	691	690	689	688
19	19	19	19	19	19	19
352	351	351	350	351	349	350
93	92	93	92	92	92	92
159	159	159	158	159	158	159
33	34	33	34	34	34	33
58	59	58	59	57	58	58
212	211	211	211	210	210	209
48	48	48	48	48	48	48
57	57	57	57	57	57	56
28	28	28	28	28	28	27
53	52	52	52	51	51	52

2014	2015	2016	2017	2018	2019	2020
361	361	361	361	361	361	361
1869	1870	1868	1866	1866	1867	1867
7077	7080	7076	7074	7072	7074	7076
264	264	264	264	264	264	264
316	315	315	315	314	316	315
65	65	65	65	65	65	65
33	34	34	33	33	33	33
400	400	400	400	400	400	400
764	764	764	763	763	763	763
2403	2403	2402	2402	2401	2402	2402
416	416	416	416	416	416	416
43	43	43	43	43	43	43
1518	1519	1519	1518	1517	1518	1518
46	46	46	45	45	45	46
23	23	23	23	23	23	23
39	39	39	39	39	39	39
30	30	30	30	30	30	30
67	67	67	67	67	67	67
348	350	348	350	350	349	350
374	374	374	373	373	373	374
4	5	4	5	4	5	4
5	5	5	5	5	5	5
12	12	12	12	12	12	12
1	1	1	1	1	1	1
34	34	34	33	33	33	34
2	2	2	2	2	2	2
2	2	2	2	2	2	2
17	16	17	16	17	16	17
552	553	552	553	552	553	552
403	403	403	403	403	403	403
30	31	30	31	30	31	30
4	4	4	4	4	4	4
30	30	30	30	30	30	30
6	6	6	6	6	6	6
4	4	4	4	4	4	4
2	2	2	2	2	2	2
42	43	42	43	42	43	42
11	11	11	11	11	11	11
1229	1230	1229	1228	1228	1228	1229
900	901	901	900	900	900	900
689	688	689	688	688	689	688
19	19	19	19	19	19	19
350	350	350	350	349	350	350
92	92	92	92	92	92	92
158	159	158	159	157	159	158
33	33	33	33	34	33	33
58	58	58	58	58	58	58
210	210	210	210	209	209	210
48	48	48	48	48	48	48
58	57	57	57	56	57	57
28	28	28	28	27	27	28
51	51	51	51	52	52	51

TABLE D-17. HIGH-RANGE FOREIGN MASTER'S DEGREES PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	165	147	238	239
COMPUTER & INFO SCI	506	453	731	735
ENGINEERING	4684	4157	6729	6763
General	175	155	250	252
Aerospace	208	185	299	300
Bio/Biomedical	43	38	63	63
Ceramic	22	20	33	33
Chemical	265	235	381	382
Civil	505	449	726	730
Electrical	1590	1412	2285	2296
Industrial Engr	275	244	396	397
Materials Engr	28	25	40	40
Mechanical Engr	1005	893	1444	1452
Metallurgical Engr	31	27	44	44
Mining & Mineral	15	13	23	23
Nav Arch & Marine	26	23	38	38
Nuclear	20	18	29	29
Petroleum Engr	45	40	65	65
Other	431	381	614	623
ALLIED HLTH & SCI	872	774	1254	1259
Dental	11	9	15	15
Diagostic	11	9	17	16
Medical Lab Tech	28	25	40	42
Medicine	2	2	3	3
Pharmacy	77	68	110	110
Public Health	4	4	6	6
Veterinary	5	4	6	8
Health Sci Other	734	654	1057	1060
LIFE SCIENCES	255	226	367	368
Biology	186	165	268	268
Biochemistry	14	13	20	20
Botany	2	2	3	3
Microbiology	14	13	20	20
Ecology	3	2	4	4
Marine Biology	2	2	3	3
Toxicology	1	1	1	1
Zoology	19	17	28	28
Life Science Other	14	14	21	23
MATHEMATICS	704	625	1012	1016
OPERATIONS RESEARCH	219	194	314	317
PHYSICAL SCI & TECH	433	385	622	626
Phys Sci General	12	10	16	16
Chemistry	220	195	316	318
Geology	58	52	83	84
Physics	100	89	144	144
Other	43	39	64	64
PSYCHOLOGY	407	361	585	588
SOCIAL SCIENCE	585	519	840	845
Economics	134	119	193	193
Political Science	159	140	228	229
Sociology	76	67	109	110
Other	216	193	310	313

1993	1994	1995	1996	1997	1998	1999
239	240	240	240	240	240	242
734	738	738	738	741	740	743
6755	6802	6794	6794	6816	6813	6835
251	254	254	254	254	254	255
300	303	303	303	303	303	304
63	63	63	63	63	63	63
33	33	33	33	33	33	33
381	384	384	384	385	385	387
729	733	733	733	736	735	737
2294	2309	2306	2306	2314	2313	2320
396	399	399	399	400	400	402
40	42	41	41	41	41	41
1450	1461	1459	1459	1463	1463	1467
44	44	44	44	45	45	45
23	23	23	23	23	23	23
38	38	38	38	38	38	38
29	29	29	29	29	29	29
65	65	65	65	65	65	65
621	624	624	624	627	626	629
1258	1267	1265	1265	1270	1269	1273
15	15	15	15	15	15	15
16	16	16	16	16	16	16
41	41	41	41	41	41	41
3	3	3	3	3	3	4
110	112	111	111	111	111	111
6	6	6	6	6	6	6
8	8	8	8	8	8	8
1059	1066	1065	1065	1070	1069	1072
368	371	370	370	372	371	373
268	271	270	270	272	271	271
20	20	20	20	22	21	21
3	3	3	3	3	3	3
20	20	20	20	20	20	20
4	4	4	4	4	4	4
3	3	3	3	3	3	3
1	1	1	1	1	1	1
28	28	28	28	28	28	29
23	23	23	23	21	21	21
1015	1023	1021	1021	1024	1024	1028
316	318	318	318	319	319	320
625	630	629	629	630	630	632
16	16	16	16	18	18	18
318	319	319	319	320	320	320
84	84	84	84	84	[illegible]	84
144	145	145	145	145	145	145
64	65	65	65	64	64	65
588	592	591	591	593	593	594
844	850	849	849	852	851	854
193	194	194	194	195	195	195
229	230	230	230	232	231	231
110	110	110	110	110	110	112
313	316	315	315	315	315	317

2000	2001	2002	2003	2004	2005	2006
241	243	243	243	244	244	245
744	747	746	748	749	750	756
6854	6873	6872	6886	6897	6910	6953
255	257	256	256	258	258	259
305	305	307	306	306	308	309
64	64	64	64	64	64	64
33	33	33	33	33	33	34
388	388	388	389	390	390	393
739	742	741	743	744	745	750
2328	2334	2333	2339	2342	2346	2360
403	404	404	404	405	407	408
41	41	41	41	41	41	41
1471	1475	1475	1478	1481	1483	1492
45	45	45	45	45	45	45
23	23	23	23	23	23	23
38	38	38	38	38	38	39
29	29	29	29	29	30	30
67	66	66	66	66	66	66
627	632	631	634	634	635	641
1276	1280	1279	1282	1284	1287	1294
15	15	15	15	15	15	17
16	16	16	16	16	16	16
41	41	41	41	41	41	41
4	4	4	4	4	4	4
113	113	113	113	113	113	114
6	6	6	6	6	6	6
8	8	8	8	8	8	8
1073	1077	1076	1079	1082	1084	1088
373	374	374	375	375	377	379
271	273	273	274	274	274	277
21	21	21	21	21	21	21
3	3	3	3	3	3	3
20	20	20	20	20	20	20
4	4	4	4	4	4	4
3	3	3	3	3	3	3
1	1	1	1	1	1	1
29	29	29	29	29	29	29
21	21	21	21	21	23	23
1031	1033	1033	1036	1037	1039	1045
320	322	321	323	323	324	325
634	635	635	637	638	639	643
18	18	18	18	18	18	18
322	323	323	323	324	324	327
85	85	85	85	85	85	87
147	146	146	146	148	148	148
64	64	64	65	64	65	65
597	598	598	599	600	602	604
855	858	859	860	862	863	869
197	196	196	196	198	198	199
233	233	233	234	234	234	235
111	111	111	111	111	111	113
315	318	319	319	319	320	322

2007	2008	2009	2010	2011	2012	2013
247	248	249	250	250	250	252
760	763	767	771	772	771	774
6989	7026	7062	7099	7094	7097	7128
260	262	263	264	264	265	265
310	313	314	315	315	317	316
65	65	65	65	65	65	67
34	34	34	34	34	34	34
394	397	399	400	402	401	403
753	759	762	766	765	765	770
2373	2385	2398	2410	2409	2409	2421
411	413	414	417	416	416	419
43	43	43	43	43	43	43
1501	1508	1515	1524	1523	1523	1530
45	47	46	46	46	46	46
23	23	23	24	24	24	24
39	39	39	39	39	39	39
30	30	30	30	30	30	30
68	68	68	68	68	68	69
642	644	651	655	654	654	654
1302	1308	1315	1321	1322	1321	1327
16	16	16	16	16	16	16
16	16	16	16	16	16	16
43	43	43	43	43	43	43
4	4	4	4	4	4	4
114	115	115	117	116	116	116
6	6	6	6	6	6	6
8	8	8	8	8	8	8
1095	1100	1108	1112	1113	1113	1119
380	383	384	387	386	386	388
278	279	280	282	281	281	283
21	21	21	21	21	21	21
3	3	3	3	3	3	3
20	20	22	21	21	21	21
4	4	4	4	4	4	4
3	3	3	3	3	3	3
1	1	1	1	1	1	1
29	29	29	29	29	29	29
23	24	22	24	24	24	24
1051	1056	1061	1068	1066	1068	1072
327	329	330	332	333	333	334
647	649	653	657	656	656	659
18	18	18	18	18	18	18
328	329	332	334	334	334	335
86	86	88	88	88	88	88
149	150	150	152	151	151	151
67	66	66	66	66	66	68
608	611	615	618	618	618	621
874	877	882	887	886	886	891
200	200	202	203	203	203	204
237	238	239	240	240	240	242
113	114	114	115	115	115	115
324	325	328	329	329	329	330

2014	2015	2016	2017	2018	2019	2020
253	254	251	250	250	249	247
777	781	774	769	767	765	762
7153	7179	7121	7079	7059	7037	7013
267	268	266	263	264	262	261
318	319	317	315	314	314	312
66	66	66	65	65	65	65
34	34	34	34	34	34	34
404	405	402	400	399	397	396
772	774	768	764	762	760	757
2428	2437	2419	2403	2397	2388	2381
420	422	418	416	415	414	412
43	44	42	43	43	43	43
1535	1541	1528	1520	1515	1510	1505
46	46	46	46	46	46	46
24	24	24	24	22	23	23
40	40	39	39	39	39	39
30	30	30	30	30	30	30
69	69	69	67	68	68	68
658	661	654	652	648	646	642
1332	1337	1326	1319	1314	1311	1305
16	16	16	16	16	16	16
16	16	16	16	16	16	16
43	44	42	43	43	43	43
4	4	4	4	4	4	4
118	118	116	116	115	115	115
6	6	6	6	6	6	6
8	8	8	8	8	8	8
1122	1126	1118	1110	1107	1103	1098
389	390	389	386	385	384	382
284	284	284	281	281	280	279
21	21	21	21	21	21	21
3	3	3	3	3	3	3
21	21	21	21	21	21	20
4	4	4	4	4	4	4
3	3	3	3	3	3	3
1	1	1	1	1	1	1
30	30	30	29	29	29	29
22	24	22	24	22	23	24
1076	1080	1071	1064	1062	1058	1054
335	337	333	331	330	330	329
662	664	659	654	654	651	648
18	18	18	18	18	18	18
337	338	335	332	333	331	328
89	89	87	88	88	86	86
153	153	153	151	151	150	150
66	68	68	66	65	67	66
622	624	619	616	615	612	610
893	897	889	884	882	880	876
204	205	204	202	203	201	200
243	243	241	240	240	239	237
117	116	115	115	115	114	114
330	333	330	327	325	327	325

TABLE D-18. HIGH-RANGE FOREIGN DOCTOR'S DEGREES PROJECTIONS

Disciplines	Projected Number of Degrees 1989	1990	1991	1992
ARCH & ENV DESIGN	12	10	18	18
COMPUTER & INFO SCI	3	2	4	4
ENGINEERING	1318	1124	1843	1845
General	49	42	69	69
Aerospace	59	50	81	83
Bio/Biomedical	12	10	18	18
Ceramic	6	6	9	9
Chemical	74	64	104	104
Civil	142	122	199	199
Electrical	447	381	625	627
Industrial Engr	77	66	108	109
Materials Engr	8	7	11	11
Mechanical Engr	283	241	396	397
Metallurgical Engr	9	7	13	13
Mining & Mineral	4	4	6	6
Nav Arch & Marine	7	6	10	10
Nuclear	6	5	8	8
Petroleum Engr	13	11	18	18
Other	122	104	169	167
ALLIED HLTH & SCI	116	98	162	161
Dental	1	2	3	3
Diagostic	1	2	3	3
Medical Lab Tech	4	3	5	5
Medicine	0	0	0	0
Pharmacy	10	9	14	14
Public Health	1	1	1	1
Veterinary	1	1	1	1
Health Sci Other	98	82	136	135
LIFE SCIENCES	170	145	237	238
Biology	124	105	173	174
Biochemistry	9	8	14	14
Botany	1	1	1	1
Microbiology	9	8	13	13
Ecology	2	2	3	3
Marine Biology	1	1	1	1
Toxicology	0	0	0	0
Zoology	13	11	18	18
Life Science Other	11	10	15	15
MATHEMATICS	173	147	242	241
OPERATIONS RESEARCH	34	30	48	49
PHYSICAL SCI & TECH	453	386	634	634
Phys Sci General	12	10	18	18
Chemistry	230	196	322	321
Geology	60	52	84	85
Physics	104	89	147	146
Other	47	39	64	64
PSYCHOLOGY	158	135	221	222
SOCIAL SCIENCE	155	132	217	218
Economics	35	30	50	50
Political Science	42	36	59	59
Sociology	20	17	28	29
Other	58	50	80	80

1993	1994	1995	1996	1997	1998	1999
18	18	18	18	18	18	18
4	4	4	4	4	4	4
1850	1859	1870	1872	1867	1868	1862
69	69	70	70	70	70	70
83	83	83	84	82	83	83
18	18	18	18	18	18	18
9	9	9	9	9	9	9
105	105	105	107	105	105	105
200	200	202	201	201	201	201
628	632	634	635	634	634	632
109	109	110	110	110	110	110
11	11	11	11	11	11	11
396	399	402	401	401	401	400
13	13	13	13	13	13	13
6	6	6	6	6	6	6
10	10	10	10	10	10	10
8	8	8	8	8	8	8
18	18	18	18	18	18	18
169	172	173	173	173	173	170
163	163	164	164	164	164	164
3	3	3	3	3	3	3
3	3	3	3	3	3	3
5	5	5	5	5	5	5
0	0	0	0	0	0	0
14	14	15	15	15	15	15
1	1	1	1	1	1	1
1	1	1	1	1	1	1
137	136	136	136	136	136	136
238	239	240	242	240	240	240
174	174	175	177	175	175	175
14	14	14	14	14	14	14
1	1	1	1	1	1	1
13	13	13	13	13	13	13
3	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
18	18	19	19	19	19	19
15	17	15	15	15	15	15
243	244	245	245	245	245	244
49	49	49	49	49	49	49
635	640	642	644	641	641	640
18	18	18	18	18	18	18
323	324	325	327	325	325	325
85	85	85	87	85	85	85
146	148	148	149	147	148	148
64	65	67	65	67	66	65
221	223	224	225	224	224	224
218	219	220	220	220	220	219
50	50	50	50	50	50	50
59	59	60	60	60	60	59
29	29	29	29	29	29	29
80	82	81	81	81	81	81

2000	2001	2002	2003	2004	2005	2006
18	18	18	18	18	18	18
4	4	4	4	4	4	4
1857	1853	1869	1866	1866	1866	1874
69	69	70	70	70	70	70
83	83	83	83	83	83	84
18	18	18	18	18	18	18
9	9	9	9	9	9	9
105	105	105	105	105	105	107
200	200	202	201	201	201	203
631	630	635	634	634	634	637
109	109	110	110	110	110	110
11	11	11	11	11	11	11
399	397	401	400	400	400	403
13	13	13	13	13	13	13
6	6	6	6	6	6	6
10	10	10	10	10	10	10
8	8	8	8	8	8	8
18	18	18	18	18	18	18
172	170	173	173	173	173	170
162	163	164	164	164	164	164
3	3	3	3	3	3	3
3	3	3	3	3	3	3
5	5	5	5	5	5	5
0	0	0	0	0	0	0
14	14	15	15	15	15	15
1	1	1	1	1	1	1
1	1	1	1	1	1	1
136	136	136	136	136	136	136
239	239	240	240	240	240	242
174	174	175	175	175	175	177
14	14	14	14	14	14	14
1	1	1	1	1	1	1
13	13	13	13	13	13	13
3	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
17	18	19	19	19	19	19
17	16	15	15	15	15	15
244	242	246	245	245	245	245
49	49	49	49	49	49	49
639	637	642	641	641	641	644
18	18	18	18	18	18	18
324	324	325	325	325	325	327
85	85	85	85	85	85	87
148	148	148	148	148	148	149
65	64	67	66	66	66	65
222	223	224	224	224	224	225
219	219	220	220	220	220	220
50	50	50	50	50	50	50
59	59	60	60	60	60	60
29	29	29	29	29	29	29
81	81	81	81	81	81	81

2007	2008	2009	2010	2011	2012	2013
18	18	18	18	18	18	18
4	4	4	4	4	4	4
1879	1885	1891	1896	1903	1909	1914
70	70	70	70	72	71	71
84	84	84	84	85	85	85
18	18	18	18	18	18	18
9	9	9	9	9	9	9
106	106	106	108	108	108	108
203	204	204	205	205	207	206
638	641	642	644	645	648	649
110	112	111	111	111	113	113
11	11	11	11	11	11	11
403	404	407	406	408	411	410
13	13	13	13	13	13	13
6	6	6	6	6	6	6
10	10	10	10	10	10	10
8	8	8	8	8	8	9
18	18	19	19	19	19	19
175	174	175	175	177	175	178
165	165	167	166	166	168	168
3	3	3	3	3	3	3
3	3	3	3	3	3	3
5	5	5	5	5	5	5
0	0	0	0	0	0	0
15	15	15	15	15	15	15
1	1	1	1	1	1	1
1	1	1	1	1	1	1
138	138	139	139	139	140	140
241	243	244	244	245	245	247
176	176	178	178	179	179	180
14	14	14	14	14	14	14
1	1	1	1	1	1	1
13	13	14	14	14	14	14
3	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
19	19	19	19	19	19	19
15	17	15	15	15	15	15
247	246	248	249	249	250	250
49	49	50	50	50	50	50
645	648	651	652	654	655	658
18	18	18	18	18	18	18
328	329	330	332	333	333	334
86	86	86	86	88	88	88
149	149	150	150	152	151	151
65	67	66	66	65	67	68
225	227	226	228	228	229	230
222	221	223	223	224	225	225
52	51	51	51	51	51	51
60	60	60	60	62	61	61
29	29	29	29	29	29	29
81	81	83	83	83	84	84

2014	2015	2016	2017	2018	2019	2020
18	18	18	18	18	18	18
4	4	4	4	4	4	4
1920	1926	1919	1914	1909	1904	1899
71	71	71	71	71	71	71
85	87	85	85	85	85	85
18	18	18	18	18	18	18
9	9	9	9	9	9	9
109	109	109	109	107	108	108
208	208	208	206	206	205	205
652	654	651	650	649	646	645
113	113	113	113	113	113	111
11	11	11	11	11	11	11
412	414	412	411	410	409	407
13	13	13	13	13	13	13
6	6	6	6	6	6	6
10	10	10	10	10	10	10
9	9	9	9	9	7	8
19	19	19	19	19	19	19
178	178	178	176	175	177	175
169	169	169	167	168	168	166
3	3	3	3	3	3	3
3	3	3	3	3	3	3
5	5	5	5	5	5	5
0	0	0	0	0	0	0
15	15	15	15	15	15	15
1	1	1	1	1	1	1
1	1	1	1	1	1	1
142	141	141	140	140	140	139
248	248	248	246	246	245	245
180	180	180	180	180	179	179
14	14	14	14	14	14	14
1	1	1	1	1	1	1
14	14	14	14	14	14	14
3	3	3	3	3	3	3
1	1	1	1	1	1	1
0	0	0	0	0	0	0
19	19	19	19	19	19	19
17	16	16	15	15	15	15
252	253	251	251	250	250	249
50	50	50	50	50	50	50
661	662	660	659	656	655	652
18	18	18	18	18	18	18
335	337	335	335	334	332	331
88	89	87	88	88	88	88
153	153	153	151	151	151	150
68	66	68	68	66	66	66
230	232	230	230	229	229	227
227	226	226	225	225	224	224
51	51	51	51	51	51	51
61	61	61	61	61	61	61
29	29	29	29	29	29	29
85	85	85	84	84	82	83

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13. ABSTRACT *(Maximum 200 words)*

The national supply of scientists, mathematicians, and engineers (SME) through the year 2020 is analyzed. After comparing the most prominent systems and taxonomies used to classify and account for SME in the United States, a base year inventory of SME, by discipline, is displayed for 1988. A methodology for projecting the supply of SME, by discipline, is then described. The supply of SME is expected to increase at an average annual rate of between .97 and 1.3 percent through 2020. This rate of growth should be adequate to meet national demand in general, and defense needs in particular. Concern is expressed that the nation may not be able to continue exploiting new technologies fully.. If this concern has merit, the national supply of SME, although adequate to meet demand, may be below the level needed to maintain a technological advantage over potential adversaries.

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