

Appendix VI: Statewide Model and Estimates

Enrollment

In order to model estimates for the annual cost and revenue for PIF scenarios, a modeling cohort of students was constructed. Even though it is well known that numerous students attend part-time, stop-out and back in to postsecondary education, the model was based on full-time equivalent (FTE) enrollment. IPEDS fall enrollment data for Illinois community colleges and public universities was extracted for Fall 2008 through Fall 2011. For public universities, graduate enrollment was excluded. For community colleges, Pre-Collegiate and Continuing Education enrollments were excluded.

Part-time students were converted to full-time status by using a factor of 2.6349 part-time students per FTE. An in-state -undergraduate FTE enrollment was estimated for public universities by multiplying the estimated number of FTE students at each institution times the individual in-state public university rate published in the U.S. News and World Report, Best Colleges, 2013 Edition.

Once the estimated FTE for each institution was established, the number of FTE in different income categories was estimated. This was done in case state, federal, and institutional aid changed the amount of the PIF at different income levels. It was also thought that participation rates could vary at different income levels either because of program design or family financing decisions.

IPEDS shows the number of full-time, first-time degree/certificate seeking undergraduate students paying in-state or in-district tuition and fees who receive federal Title IV aid (including loans) by the following income levels: 1) \$0 - \$30,000; 2) \$30,001 - \$48,000; 3) \$48,001 - \$75,000; 4) \$75,001 - \$110,000; and 5) \$110,001 or greater. For each institution, it was assumed that 100% of the FTE in the first category, 100% in the second category; 75% in the third category; 50 % in the fourth category; and 25% in the fifth category qualified for Title IV financial aid. The resulting proportions at each institution were applied to the respective estimated FTE to estimate FTE enrollment by each of these five income categories. The individual results are shown as Appendix VI-A. If the amount which individuals are allowed to PIF differs by income categories, then the distribution of students among these categories affects the accuracy of the estimates.

IPEDS also reports retention rates for the full-time, first-time degree certificate seeking undergraduate students (GRS cohort) for the next year. These students represent only a portion of students at each institution, and for some institutions with large part-time enrollments, only a small portion. However, for purposes of the modeling cohort, these continuation rates were used to estimate the number of FTE sophomores which would be used in the modeling cohort.

IPEDS also reports graduation rates for the GRS cohort at 100%, 150% and 200% of the “normal” time to complete a degree – two years for an Associate’s Degree and four years for a Bachelor’s degree. These rates were used to estimate the proportion of the modeling cohort who would complete certificates or degrees to estimate revenue from completing students.

In order to estimate the earnings for graduates, and non-completers, IPEDS data showing degrees / certificates conferred by institution, program, and award level were averaged for 2010 through 2013. The program and award level were matched with income data for certain jobs from the Illinois Department of Employment Security (IDES) to estimate income level for graduates. The income levels were divided into three categories by IDES: 1) beginning, 2) median, and 3) experienced. Once average incomes were established for Entry, Median, and Experienced levels for each program and award level, a weighted average was calculated for each award level. The average for each program and award level as well as the weighted average for each award level is shown in Appendix VI - B. Incomes for college drop-outs was assumed to be 90 percent of the income of those who completed a one-year certificate.

Using the retention rates from freshmen to sophomores, graduation rates, and degrees conferred, a distribution of the FTE modeling cohort was created. The estimated distribution is for the cohort FTE students who would be enrolled in any given year and potentially be eligible for a PIF is shown in Table 1 below.

Table 1: Estimated FTE Cohort for Model

Class Level	Estimated Number	Percent of Original Freshmen
Public University Freshmen	33,280	100%
Community College Freshmen	122,045	100%
Public University Sophomores	25,407	76.3%
Community College Sophomores	71,405	58.5%
Public University Juniors from Universities	20,881	62.7%
Public University Juniors from Community Colleges	29,582	24.2%
Public University 4 th Year Seniors from Universities	18,482	55.5%
Public University 4 th Year Seniors from Community Colleges	26,183	21.5%
Public University 5 th Year Seniors from Universities	7,789	23.4%
Public University 5 th Year Seniors from Community Colleges	11,034	9.0%

The modeling cohort also contained a distribution of PIF recipients who might be paying in any given year. This distribution is shown in Table 2 below.

Table 2: Estimated Distribution of PIF Recipients in Repayment

Group	Estimated Number
Public University Freshmen Drop Outs	7,873
Community College Freshmen Drop Outs	25,382
One-Year Certificate Earners	25,258
Public University Sophomores Drop Outs	4,526
Community College Sophomores Drop Outs	4,194
Community College Transfers to Public Universities	29,582
Two-Year Certificate Earners	6,699
Associate's Degrees	30,930
Public University Junior Drop Outs from Universities	2,399
Public University Juniors Drop Outs from Community Colleges	3,399
Public University 4 th Year Senior Drop Outs from Universities	4,323
Public University 4 th Year Senior Drop Outs from Community Colleges	6,124
Bachelor's Degrees in Four Years from University Students	6,370
Bachelor's Degrees in Four Years from Community College /University Students	9,025
Bachelor's Degrees in Five Years from University Students	7,789
Bachelor's Degrees in Five Years from Community College /University Students	11,034

Once the estimated distribution of students who would be potential PIF recipients (and who could potentially cost the program) and the estimated distribution of groups of people who were no longer enrolled (and who could potentially provide revenue to the program), a model was

constructed which rolled in participants on a yearly level – freshmen in year one, freshmen and sophomores in year two, etc.

In the model, it was assumed that different income categories participated at different rates. Students from families with incomes in the fifth income category were excluded from participation to lessen costs. It was also assumed that the amount of the PIF for a full-time student could vary for students from families in different income categories. Students in the third and fourth income quintile could not include one-half of their expected family contribution (EFC) in their PIF. The EFC's were determined by taking the average EFC for MAP applicants in the income categories. The specific parameters used for public universities in the model are shown in Table 3 below.

Table 3: Parameters for Public Universities

Income Category	Number	Percent with PIF in Model	Cost in Model	EFC	Amount in PIF
\$0 - \$30,000	23,078	100%	\$9,749	\$321	\$9,749
\$30,001 - \$48,000	12,475	100%	\$9,749	\$1,673	\$9,749
\$48,001 - \$75,000	16,783	100%	\$9,749	\$3,592	\$7,953
\$75,001 - \$110,000	26,327	100%	\$9,749	\$4,986	\$7,256
\$110,001 or greater	58,318	0%	\$9,749	\$6,242	NA

The specific parameters used for community colleges are shown in Table 4 below.

Table 4: Parameters for Community Colleges

Income Category	Number	Percent with PIF in Model	Cost in Model	EFC	Amount in PIF
\$0 - \$30,000	96,067	100%	\$3,626	\$179	\$3,626
\$30,001 - \$48,000	30,775	100%	\$3,626	\$999	\$3,626
\$48,001 - \$75,000	26,169	100%	\$3,626	\$2,042	\$2,605
\$75,001 - \$110,000	15,548	100%	\$3,626	\$2,804	\$2,224
\$110,001 or greater	15,022	0%	\$3,626	\$6,242	NA

In the model, a 10 percent Default Rate was assumed.

It was also assumed that a certain percentage of those scheduled to be in repayment would be unemployed. Unemployment rates for those just entering the workforce were kept at the same rate for five years, and were slightly higher than those used for people who had worked between six and twelve years, which were higher than those who had worked at least twelve years. The parameters used in the model are shown in Table 5.

Table 5: Unemployment Rates Used in Model

Employment Category	Unemployment Rate Used
Drop Out Entry Level	15%
Certificate Entry Level	8%
Associate's Entry Level	8%
Bachelor's Entry Level	7%
Drop Out Medium Level	8%
Certificate Medium Level	6%
Associate's Medium Level	6%
Bachelor's Medium Level	5%
Drop Out Experienced Level	5%
Certificate Experienced Level	4%
Associate's Experienced Level	4%
Bachelor's Experienced Level	4%

Although a factor was used to convert part-time students to full-time students in the FTE cohort, the average number of credit hours full-time students completed each year could not be determined. For modeling purposes, a range was created and the mean of this range was used. The number of credit hours assumed to achieve an Associate's Degree was 60 and the number of credit hours assumed to achieve a Bachelor's Degree was 120.

Despite all of the potential problems in estimating cost and revenue for a PIF program in this model (and there are a number of places where assumptions can be second-guessed), if the PIF changes enrollment or graduation rates, the potential for actual costs to vary from those estimated would likely be even more pronounced. Thus, if this idea is pursued more fully, any model used to estimate the potential cost of a PIF program will need to be able to vary enrollment and graduation rates.

Rather than change the income used in the model in out years, an income growth factor was computed based on the assumption that people would reach the median income about their 11th year of employment and the experienced income about their 20th year employment for each of the different degree types. All are approximately three percent though there are slight variances. Table 6 shows the income growth factor used for the different degree types in the model.

Table 6: Unemployment Rates Used in Model

Employment Category	Unemployment Rate Used
Drop Out Income Growth Rate	2.83%
Certificate Income Growth Rate	2.83%
Associate's Income Growth Rate	2.94%
Bachelor's Income Growth Rate	3.05%

Results

Oregon estimated that students would need to pay .0222 percent of their income for each credit hour earned at public universities and .0167 percent of their income for each credit hour earned for their program.

If it is assumed that:

- the PIF will be unsubsidized instructional costs as measured by the Illinois Board of Higher Education (IBHE) for public university students (\$9,749) and the enrollment-weighted mean tuition and fees for community college students (\$3,626);
- families from the fifth income category will be excluded from PIF, but all others will participate at 100 percent;
- Families from the third and fourth income quintiles will be unable to include one-half of their expected family contribution (EFC) in their PIF;
- no adjustment will be made for credit hours, enrollment, or completion in the base model;
- the default rate will be 10 percent;
- the unemployment rate for entry-level drop outs will be 15% (as shown in Table 5 with all of the unemployment assumptions); and,
- the State wants to reach a point in 20 years where revenue from the program approximately equals cost .

Results from the base model estimate that community college students would need to pay .02248 percent of their income for each credit hour. If a student had 60 credit hours at an Illinois community college, this would be nearly 1.4 percent of their income

Results from the base model estimate that public university students would need to pay .05254 percent of their income for each credit hour. If a student had 120 credit hours at an Illinois public university, this would be 4.9 percent of their income.

The estimated Cost/Revenue Cash Flow for this model is shown on the following page (VI – 6) with a graphical representation of the Cash Flow on the following page (VI-7). It is estimated that the first year, if only freshmen were included, the cost would be over \$500 million; once all class levels are included, the estimate is \$1.2 billion annually. Again, however, the base model assumed no changes in the amount in the PIF, which would grow in subsequent years if tuition and fees grew.

Approximately \$670 million of the \$1.2 billion estimate is attributable to public university students and approximately \$560 million is attributable to community college students. Even though the average amount each public university student was allowed to include in a PIF was substantially higher, there were also fewer public university students – particularly after the exclusion of students from families in the fifth income category.

Statewide Community College and Public University Estimate
Public University: IBHE Non-Subsidized Instructional Cost (\$9,749) Subtract One-Half of EFC for Third and Fourth Quintile Fifth Quintile Excluded
Community College: Mean Weighted Tuition and Fees (\$3,626) Subtract One-Half of EFC for Third and Fourth Quintile Fifth Quintile Excluded
Twenty Year Repayment

Year	Incremental Cost	Total Cost	Incremental Revenue	Total Revenue	Incremental Difference
1	(537,100,000)	(537,100,000)	-	-	(537,100,000)
2	(849,700,000)	(1,386,800,000)	6,100,000	6,100,000	(843,600,000)
3	(1,014,400,000)	(2,401,200,000)	19,500,000	25,600,000	(988,800,000)
4	(1,141,000,000)	(3,542,200,000)	21,500,000	47,100,000	(1,093,900,000)
5	(1,233,200,000)	(4,775,400,000)	39,400,000	86,500,000	(1,146,700,000)
6	(1,233,200,000)	(6,008,600,000)	60,000,000	146,500,000	(1,086,700,000)
7	(1,233,200,000)	(7,241,800,000)	63,300,000	209,800,000	(1,023,400,000)
8	(1,233,200,000)	(8,475,000,000)	65,100,000	274,900,000	(958,300,000)
9	(1,233,200,000)	(9,708,200,000)	67,100,000	342,000,000	(891,200,000)
10	(1,233,200,000)	(10,941,400,000)	69,000,000	411,000,000	(822,200,000)
11	(1,233,200,000)	(12,174,600,000)	71,100,000	482,100,000	(751,100,000)
12	(1,233,200,000)	(13,407,800,000)	73,100,000	555,200,000	(678,000,000)
13	(1,233,200,000)	(14,641,000,000)	75,300,000	630,500,000	(602,700,000)
14	(1,233,200,000)	(15,874,200,000)	77,500,000	708,000,000	(525,200,000)
15	(1,233,200,000)	(17,107,400,000)	79,800,000	787,800,000	(445,400,000)
16	(1,233,200,000)	(18,340,600,000)	82,100,000	869,900,000	(363,300,000)
17	(1,233,200,000)	(19,573,800,000)	86,900,000	956,800,000	(276,400,000)
18	(1,233,200,000)	(20,807,000,000)	89,500,000	1,046,300,000	(186,900,000)
19	(1,233,200,000)	(22,040,200,000)	92,100,000	1,138,400,000	(94,800,000)
20	(1,233,200,000)	(23,273,400,000)	94,800,000	1,233,200,000	-
21	(1,233,200,000)	(24,506,600,000)	97,600,000	1,330,800,000	97,600,000
22	(1,233,200,000)	(25,739,800,000)	97,600,000	1,428,400,000	195,200,000
23	(1,233,200,000)	(26,973,000,000)	97,600,000	1,526,000,000	292,800,000
24	(1,233,200,000)	(28,206,200,000)	97,600,000	1,623,600,000	390,400,000
25	(1,233,200,000)	(29,439,400,000)	97,600,000	1,721,200,000	488,000,000
26	(1,233,200,000)	(30,672,600,000)	97,600,000	1,818,800,000	585,600,000

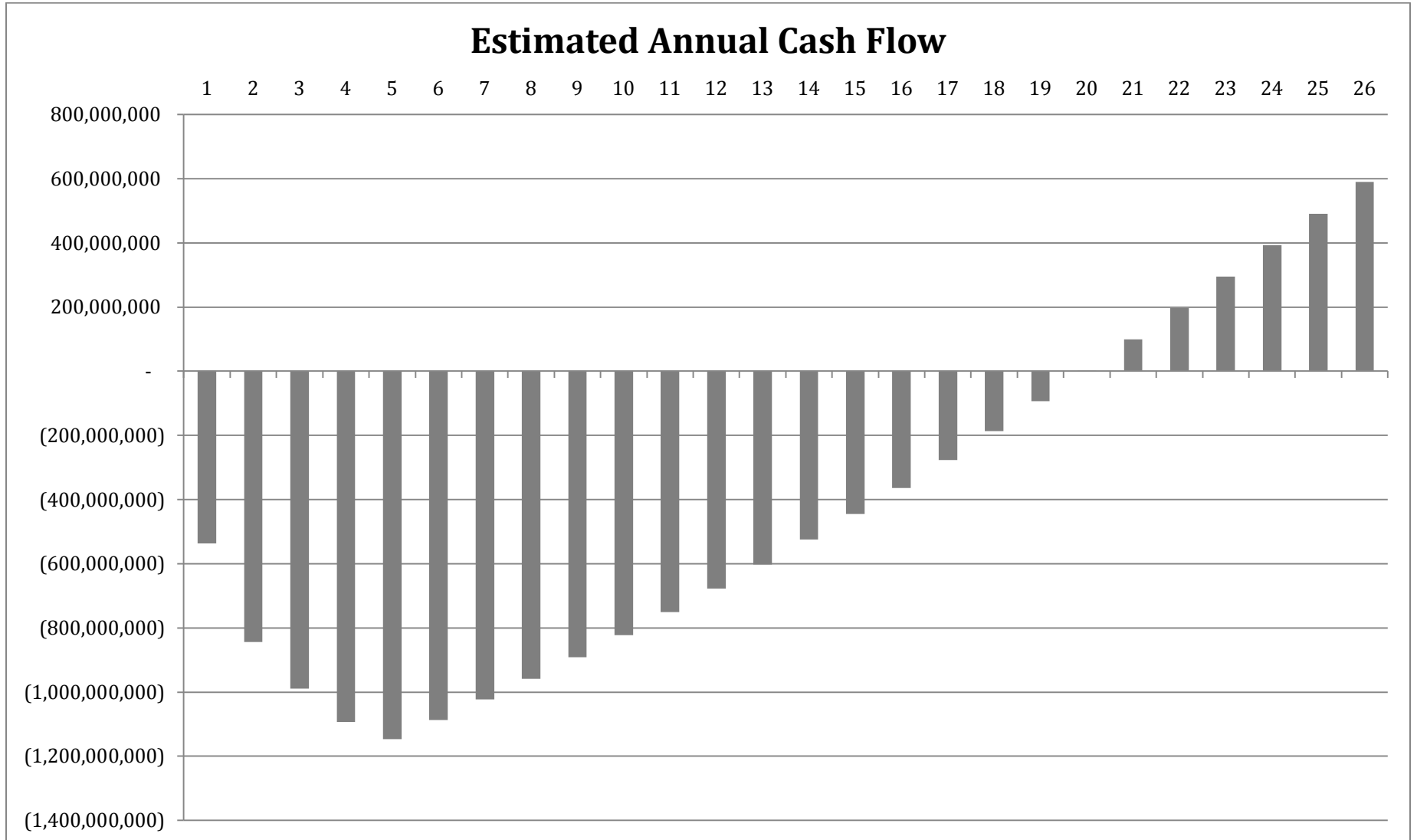
Statewide Community College and Public University Estimate

Public University: IBHE Non-Subsidized Instructional Cost (\$9,749) Subtract One-Half of EFC for Third and Fourth Quintile Fifth Quintile Excluded

Community College: Mean Weighted Tuition and Fees (\$3,626) Subtract One-Half of EFC for Third and Fourth Quintile Fifth Quintile Excluded

Twenty Year Repayment

Estimated Annual Cash Flow



Page VI-9 shows a summary of the impact that the PIF has on different types of students. The students shown are “typical” as defined by the model. Because one-half of the EFC was excluded from the PIF for students from the third and fourth income categories, the yearly cost shown is not \$9,749 for public universities and \$3,626 for community colleges. Again, however, costs would vary at individual institutions and these individual cases are shown to only to give an idea of the impact on individuals.

Because of the lower incomes used for drop outs in the model, the “typical” drop out from public universities pays back less than (s)he cost, however, this is based on a “typical” income. As shown, a “typical” drop out from a public university after four years would have deferred an estimated \$34,126 in cost through a PIF. If, upon leaving school, this student secured employment making \$20,771 annually, he would pay back \$30,624, which is only 89.7% of the deferred cost. If the drop out secures employment at a higher wage, he would pay back more. A “typical” person who graduates from a public university in four years also deferred an estimated \$34,126 in cost and is also paying back 4.9 percent of her income, but because she is estimated to be making \$37,989 upon leaving school, she pays back \$52,541, which is 154% of the estimated cost.

The person who spends five years at a public university pays back the most – 6.1 percent of income for twenty years.

Pages VI-10 through VI - 37 show detailed cash flow projections and the graphical representation of these cash flow projections for each of the “typical” individual students shown in the summary on page VI-8.

Statewide Community College and Public University Estimate
Public University: IBHE Non-Subsidized Instructional Cost (\$9,749) Subtract One-Half of EFC for Third and Fourth Quintile Fifth Quintile Excluded
Community College: Mean Weighted Tuition and Fees (\$3,626) Subtract One-Half of EFC for Third and Fourth Quintile Fifth Quintile Excluded
Twenty Year Repayment

	1 YR DO at Pub U	2 YR DO at Pub U	3 YR DO at Pub U	4 YR DO at Pub U	1 YR DO at CC	2 YR DO at CC	4 YR DO at CC/Pub U
Starting Income	\$20,771	\$20,771	\$20,771	\$20,771	\$20,771	\$20,771	\$20,771
Income Growth Factor	2.83%	2.83%	2.83%	2.83%	2.83%	2.83%	2.83%
Cost Deferred	(7,184)	(16,165)	(25,145)	(34,126)	(3,338)	(6,676)	(21,240)
Cost Repaid through PIF	6,167	13,382	22,446	30,624	3,397	7,347	24,404
Difference	(1,017)	(2,783)	(2,700)	(3,502)	59	670	3,164
Percent Paid Back	85.8%	82.8%	89.3%	89.7%	101.8%	110.0%	114.9%
Hours Assumed PIFed	25	57	88	120	25	57	107
Income Percent PIFed	1.0%	2.3%	3.6%	4.9%	0.6%	1.3%	3.3%

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	4 Year BA at Pub U	5 Year BA at Pub U	4 Year BA at CC/Pub U	5 Year BA at CC/Pub U	1 Year Cert at CC	2 Year Cert at CC	2 Year AA at CC
Starting Income	\$37,989	\$37,989	\$37,989	\$37,989	\$23,079	\$23,079	\$27,925
Income Growth Factor	3.05%	3.05%	3.05%	3.05%	2.83%	2.83%	2.94%
Cost Deferred	(34,126)	(42,657)	(23,739)	(32,271)	(3,338)	(6,676)	(6,676)
Cost Repaid through PIF	52,541	67,762	41,103	52,388	3,555	8,115	9,984
Difference	18,415	25,105	17,364	20,117	217	1,438	3,307
Percent Paid Back	154.0%	158.9%	173.1%	162.3%	106.5%	121.5%	149.5%
Hours Assumed PIFed	120	150	120	133	25	57	60
Income Percent PIFed	4.9%	6.1%	3.8%	4.4%	0.6%	1.3%	1.3%

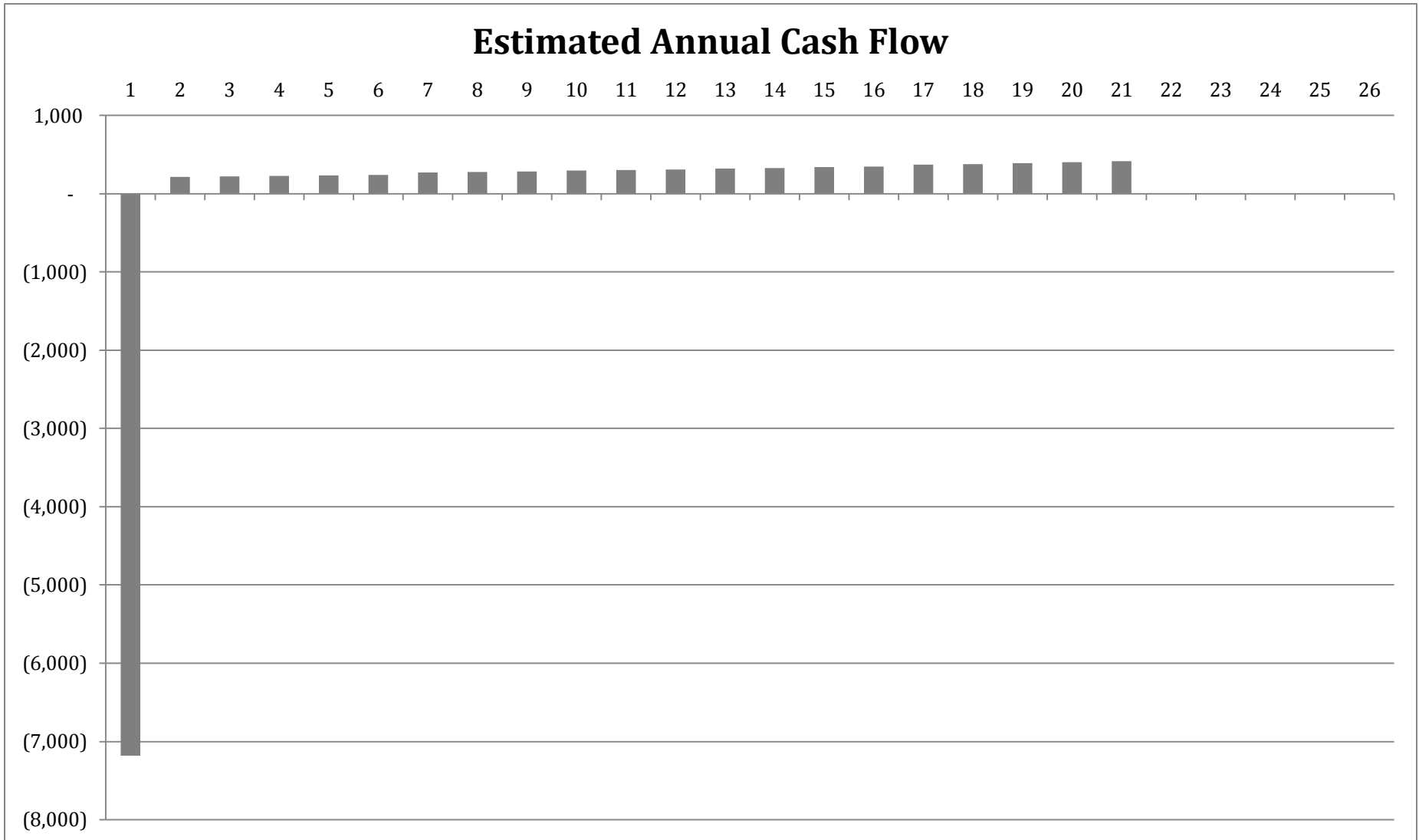
**Individual Public University Student - 1 Year Drop Out
Twenty Year Repayment Estimate**

Starting Income	\$20,771
Income Growth Factor	2.83%
Cost	(7,184)
Paid	6,167
Difference	(1,017)
Percent of Cost Paid	85.8%
Hours Assumed	25
Income Percent	1.0%

II-11

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(7,184)	(7,184)	-	-	(7,184)
2	-	-	215	215	215
3	-	-	221	436	221
4	-	-	227	663	227
5	-	-	234	897	234
6	-	-	240	1,137	240
7	-	-	270	1,407	270
8	-	-	278	1,685	278
9	-	-	286	1,970	286
10	-	-	294	2,264	294
11	-	-	302	2,566	302
12	-	-	311	2,877	311
13	-	-	319	3,196	319
14	-	-	328	3,524	328
15	-	-	338	3,862	338
16	-	-	347	4,209	347
17	-	-	370	4,579	370
18	-	-	381	4,960	381
19	-	-	391	5,351	391
20	-	-	402	5,753	402
21	-	-	414	6,167	414
22	-	-	-	-	-
23	-	-	-	-	-
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Public University Student - 1 Year Drop Out
Twenty Year Repayment Estimate**

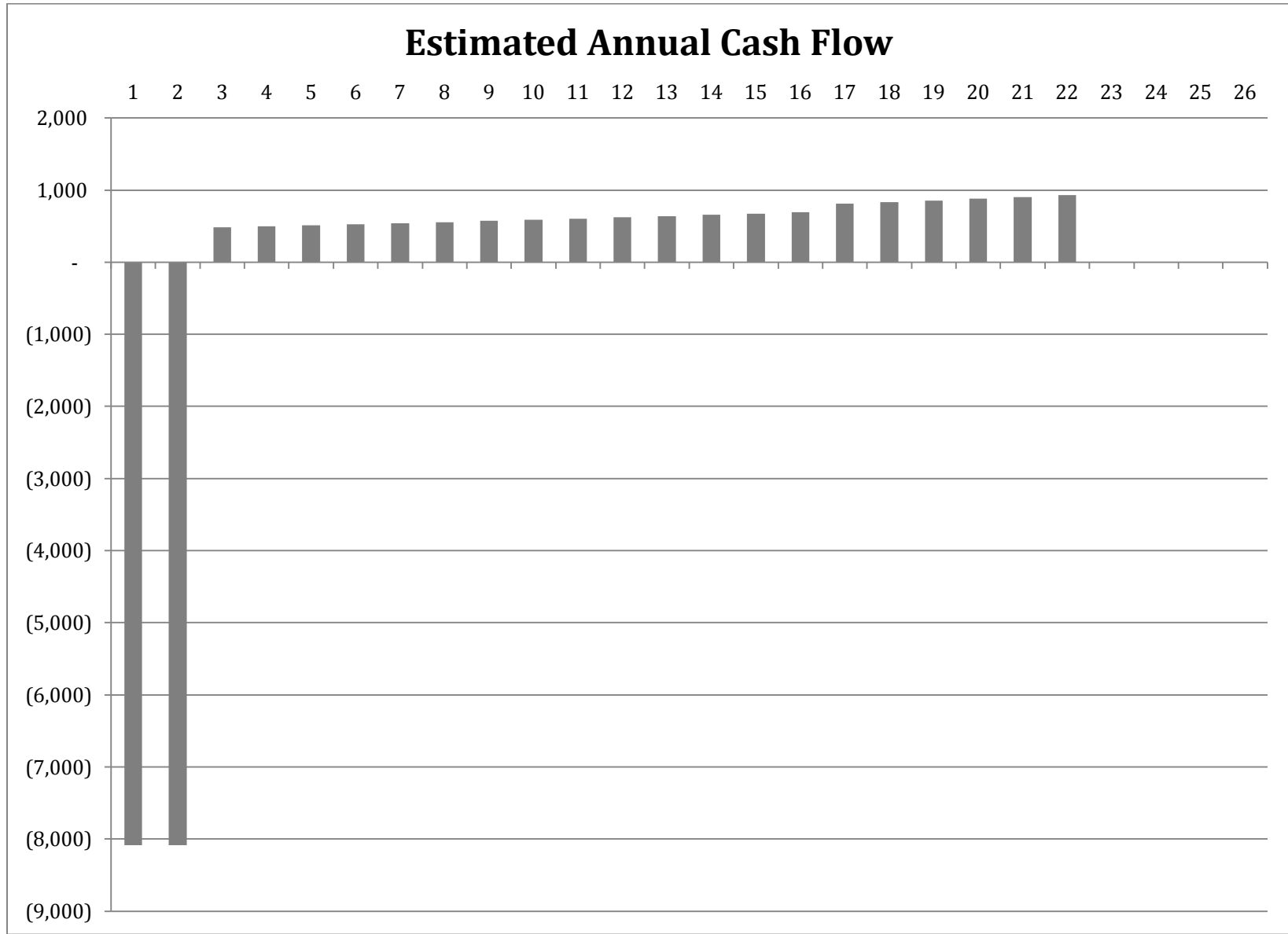


**Individual Public University Student - 2 Year Drop Out
Twenty Year Repayment Estimate**

Starting Income	\$20,771
Income Growth Factor	2.83%
Cost	(16,165)
Paid	13,382
Difference	(2,783)
Percent of Cost Paid	82.8%
Hours Assumed	57
Income Percent	2.3%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(8,082)	(8,082)	-	-	(8,082)
2	(8,082)	(16,165)	-	-	(8,082)
3	-	-	483	483	483
4	-	-	497	981	497
5	-	-	511	1,492	511
6	-	-	526	2,017	526
7	-	-	541	2,558	541
8	-	-	556	3,114	556
9	-	-	572	3,685	572
10	-	-	588	4,273	588
11	-	-	604	4,877	604
12	-	-	621	5,499	621
13	-	-	639	6,138	639
14	-	-	657	6,795	657
15	-	-	676	7,471	676
16	-	-	695	8,166	695
17	-	-	810	8,976	810
18	-	-	833	9,808	833
19	-	-	856	10,665	856
20	-	-	881	11,545	881
21	-	-	905	12,451	905
22	-	-	931	13,382	931
23	-	-	-	-	-
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Public University Student - 2 Year Drop Out
Twenty Year Repayment Estimate**

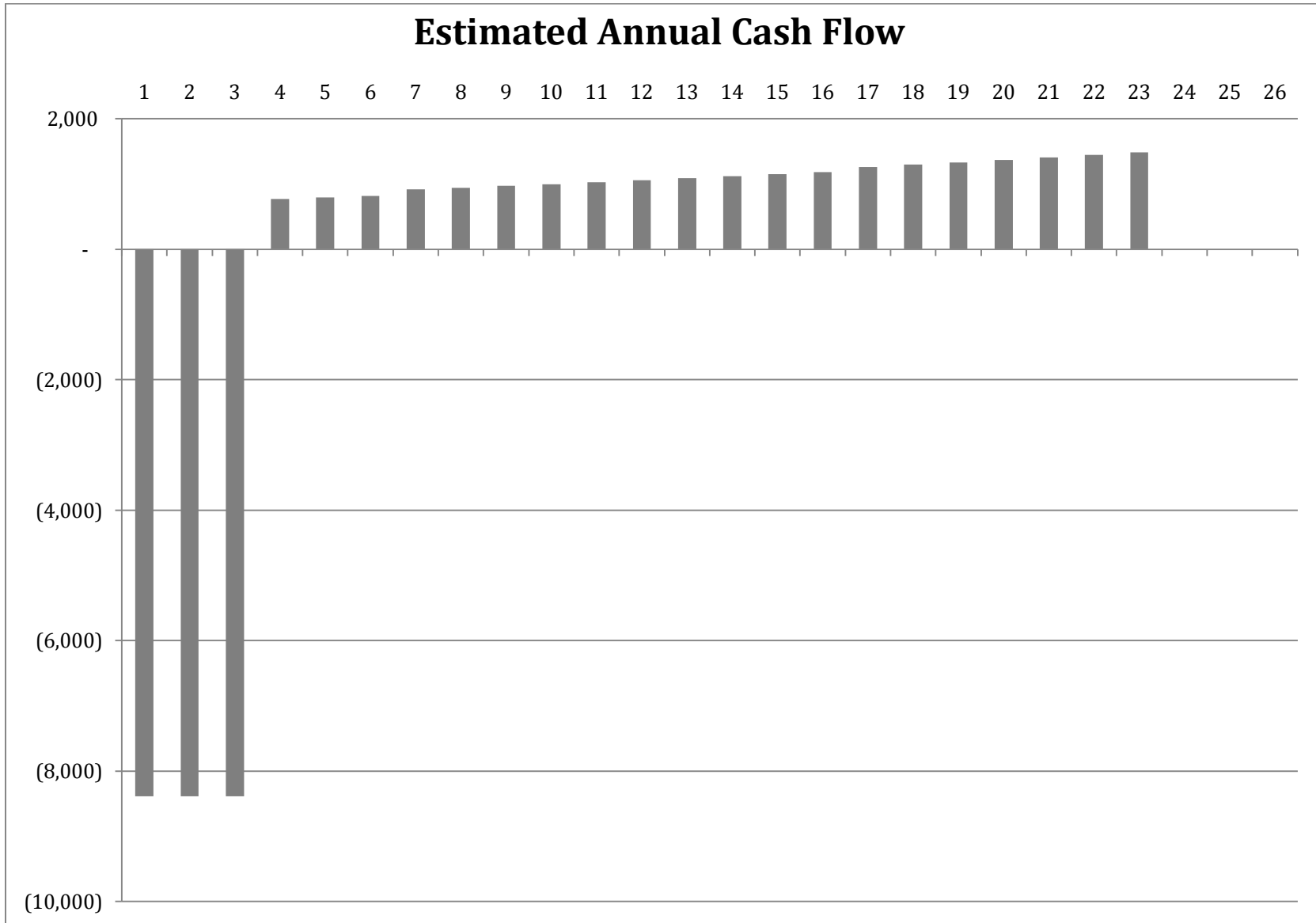


**Individual Public University Student - 3 Year Drop Out
Twenty Year Repayment Estimate**

Starting Income	\$20,771
Income Growth Factor	2.83%
Cost	(25,145)
Paid	22,446
Difference	(2,700)
Percent of Cost Paid	89.3%
Hours Assumed	88
Income Percent	3.6%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(8,382)	(8,382)	-	-	(8,382)
2	(8,382)	(16,764)	-	-	(8,382)
3	(8,382)	(25,145)	-	-	(8,382)
4	-	-	773	773	773
5	-	-	795	1,568	795
6	-	-	818	2,386	818
7	-	-	919	3,305	919
8	-	-	945	4,251	945
9	-	-	972	5,223	972
10	-	-	1,000	6,222	1,000
11	-	-	1,028	7,250	1,028
12	-	-	1,057	8,307	1,057
13	-	-	1,087	9,394	1,087
14	-	-	1,118	10,512	1,118
15	-	-	1,149	11,661	1,149
16	-	-	1,182	12,843	1,182
17	-	-	1,260	14,103	1,260
18	-	-	1,295	15,398	1,295
19	-	-	1,332	16,730	1,332
20	-	-	1,370	18,100	1,370
21	-	-	1,408	19,508	1,408
22	-	-	1,448	20,956	1,448
23	-	-	1,489	22,446	1,489
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Public University Student - 3 Year Drop Out
Twenty Year Repayment Estimate**

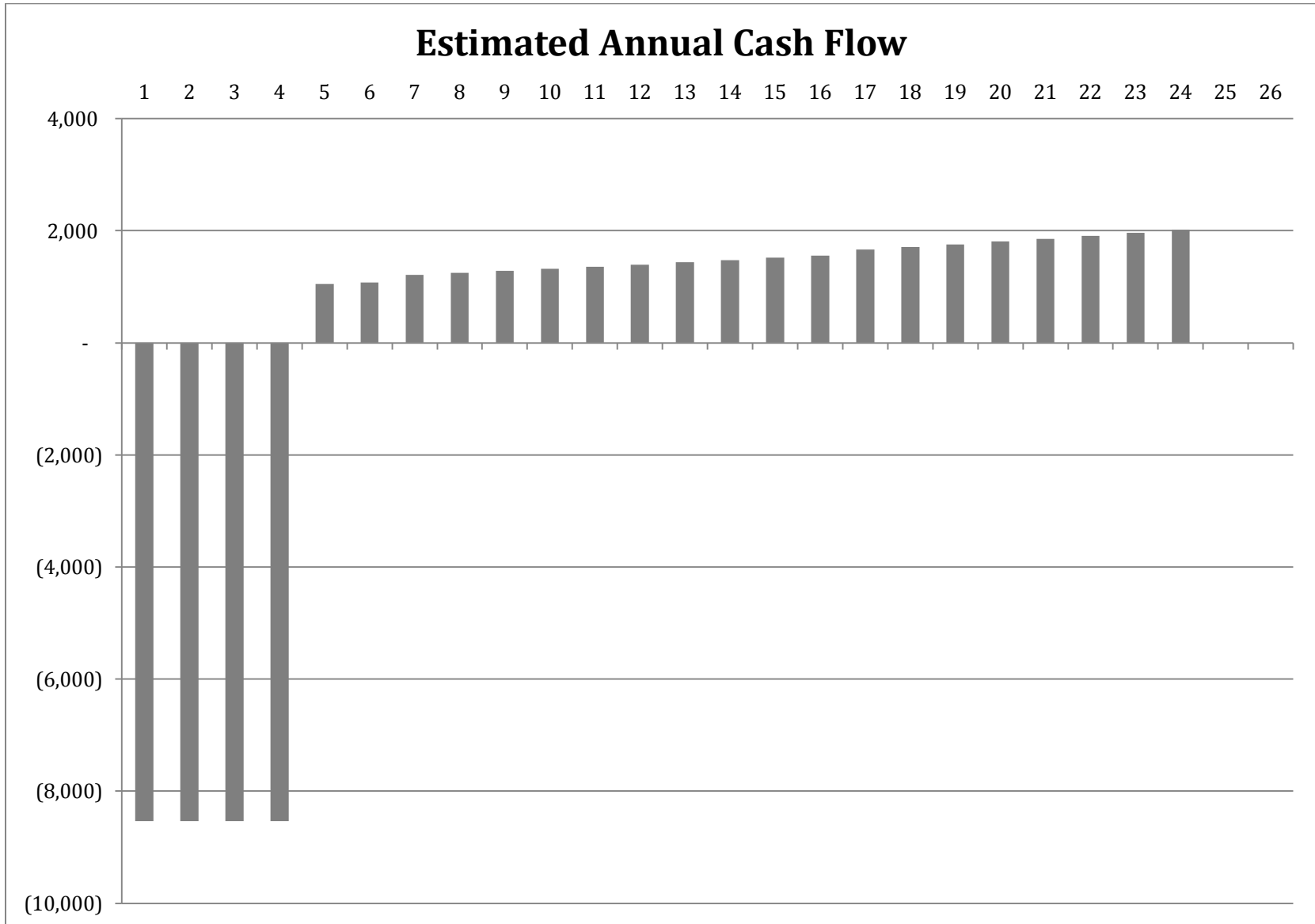


**Individual Public University Student - 4 Year Drop Out
Twenty Year Repayment Estimate**

Starting Income	\$20,771
Income Growth Factor	2.83%
Cost	(34,126)
Paid	30,624
Difference	(3,502)
Percent of Cost Paid	89.7%
Hours Assumed	120
Income Percent	4.9%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(8,531)	(8,531)	-	-	(8,531)
2	(8,531)	(17,063)	-	-	(8,531)
3	(8,531)	(25,594)	-	-	(8,531)
4	(8,531)	(34,126)	-	-	(8,531)
5	-	-	1,049	1,049	1,049
6	-	-	1,079	2,129	1,079
7	-	-	1,213	3,342	1,213
8	-	-	1,248	4,590	1,248
9	-	-	1,283	5,873	1,283
10	-	-	1,319	7,192	1,319
11	-	-	1,357	8,548	1,357
12	-	-	1,395	9,943	1,395
13	-	-	1,434	11,378	1,434
14	-	-	1,475	12,853	1,475
15	-	-	1,517	14,370	1,517
16	-	-	1,560	15,929	1,560
17	-	-	1,663	17,592	1,663
18	-	-	1,710	19,301	1,710
19	-	-	1,758	21,059	1,758
20	-	-	1,808	22,867	1,808
21	-	-	1,859	24,726	1,859
22	-	-	1,911	26,638	1,911
23	-	-	1,966	28,603	1,966
24	-	-	2,021	30,624	2,021
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Public University Student - 4 Year Drop Out
Twenty Year Repayment Estimate**



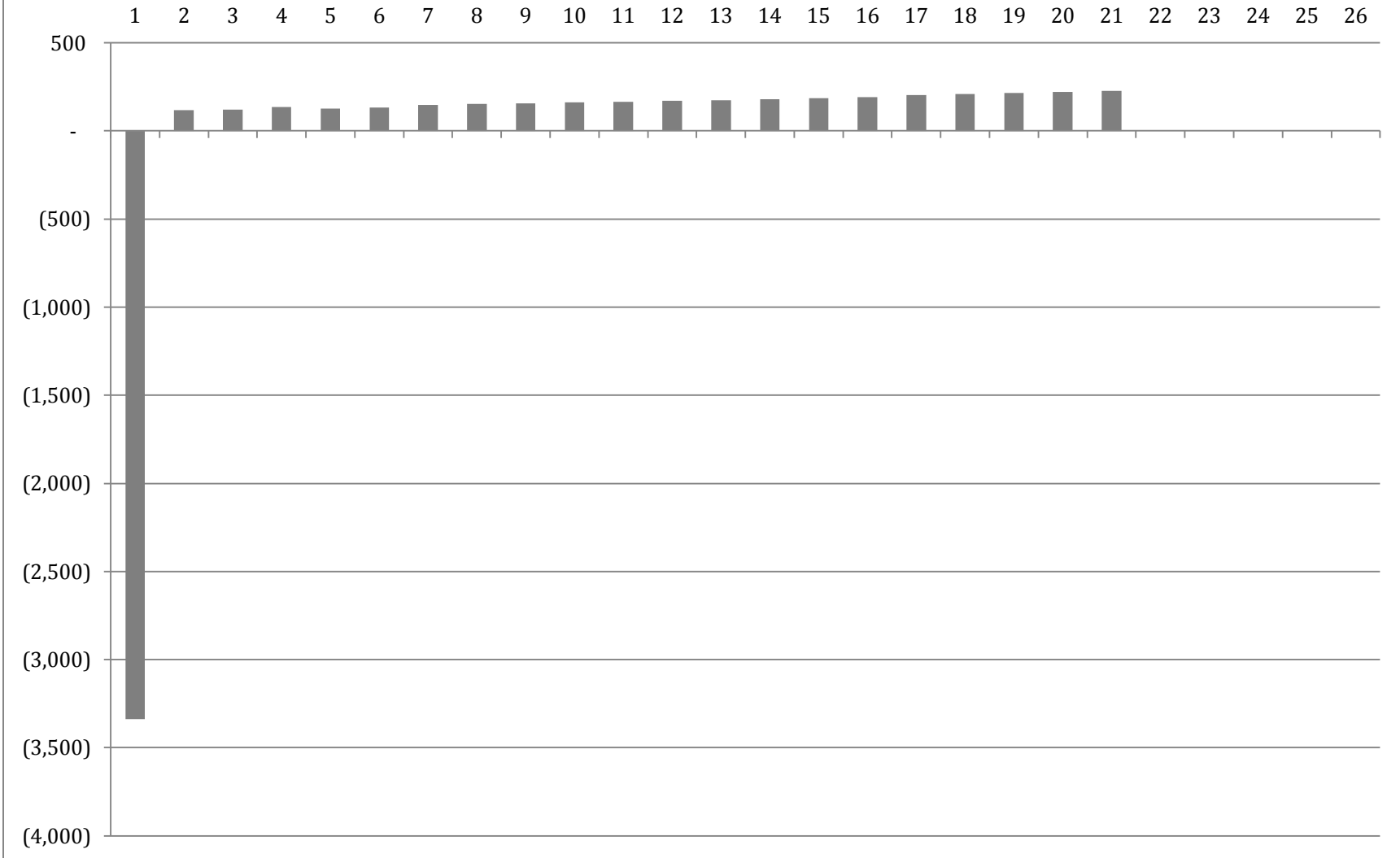
**Individual Community College Student - 1 Year Drop Out
Twenty Year Repayment Estimate**

Starting Income	\$20,771
Income Growth Factor	2.83%
Cost	(3,338)
Paid	3,397
Difference	59
Percent of Cost Paid	101.8%
Hours Assumed	25
Income Percent	0.6%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(3,338)	(3,338)	-	-	(3,338)
2	-	-	118	118	118
3	-	-	121	239	121
4	-	-	136	375	136
5	-	-	128	503	128
6	-	-	132	635	132
7	-	-	148	784	148
8	-	-	152	936	152
9	-	-	157	1,093	157
10	-	-	161	1,254	161
11	-	-	166	1,420	166
12	-	-	170	1,590	170
13	-	-	175	1,766	175
14	-	-	180	1,946	180
15	-	-	185	2,131	185
16	-	-	191	2,322	191
17	-	-	203	2,525	203
18	-	-	209	2,734	209
19	-	-	215	2,949	215
20	-	-	221	3,170	221
21	-	-	227	3,397	227
22	-	-	-	-	-
23	-	-	-	-	-
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Community College Student - 1 Year Drop Out
Twenty Year Repayment Estimate**

Estimated Annual Cash Flow

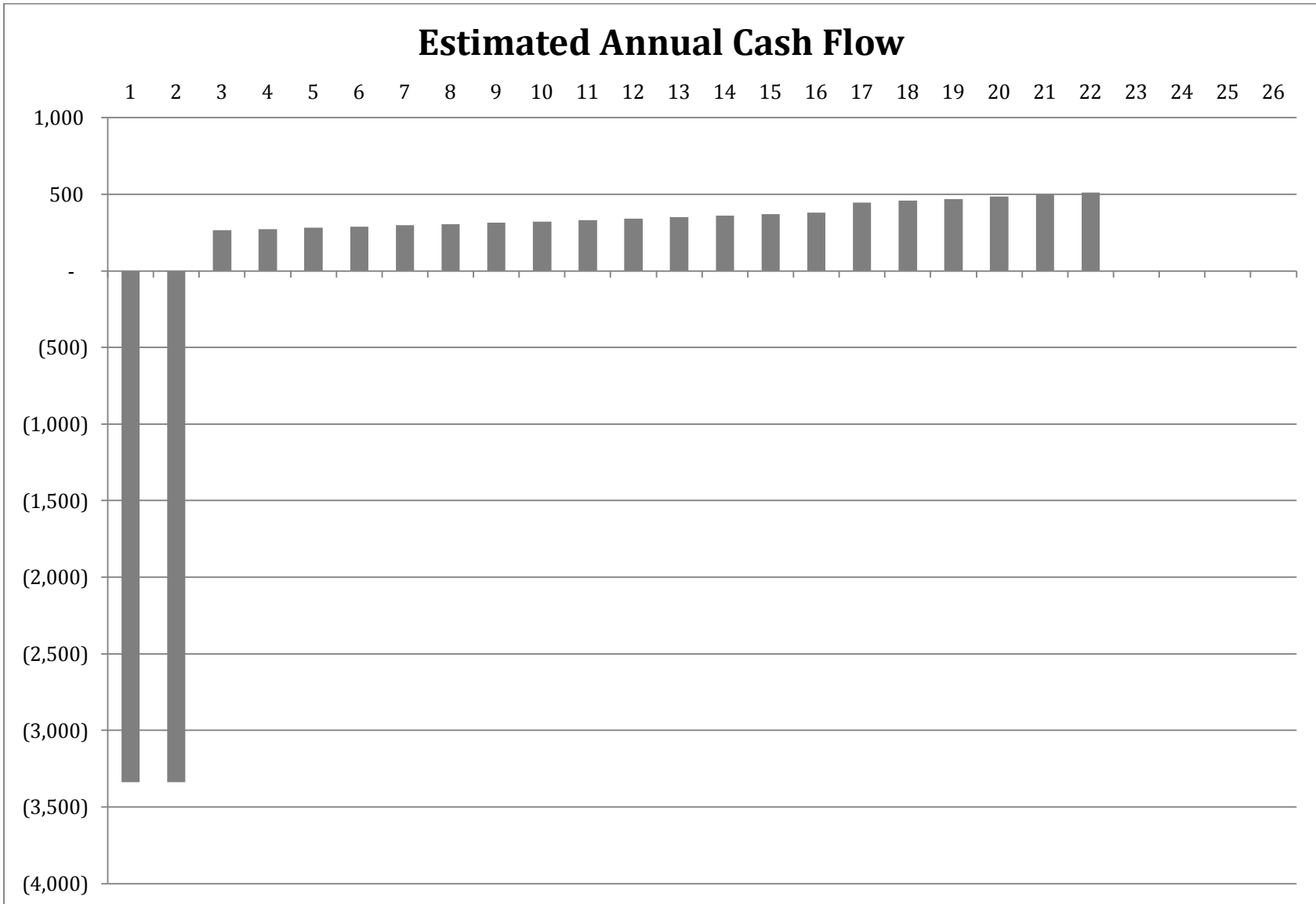


**Individual Community College Student- 2 Year Drop Out
Twenty Year Repayment Estimate**

Starting Income	\$20,771
Income Growth Factor	2.83%
Cost	(6,676)
Paid	7,347
Difference	670
Percent of Cost Paid	110.0%
Hours Assumed	57
Income Percent	1.3%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(3,338)	(3,338)	-	-	(3,338)
2	(3,338)	(6,676)	-	-	(3,338)
3	-	-	265	265	265
4	-	-	273	538	273
5	-	-	281	819	281
6	-	-	289	1,108	289
7	-	-	297	1,404	297
8	-	-	305	1,710	305
9	-	-	314	2,023	314
10	-	-	323	2,346	323
11	-	-	332	2,678	332
12	-	-	341	3,019	341
13	-	-	351	3,370	351
14	-	-	361	3,731	361
15	-	-	371	4,102	371
16	-	-	381	4,483	381
17	-	-	445	4,928	445
18	-	-	457	5,385	457
19	-	-	470	5,855	470
20	-	-	483	6,338	483
21	-	-	497	6,836	497
22	-	-	511	7,347	511
23	-	-	-	-	-
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Community College Student- 2 Year Drop Out
Twenty Year Repayment Estimate**



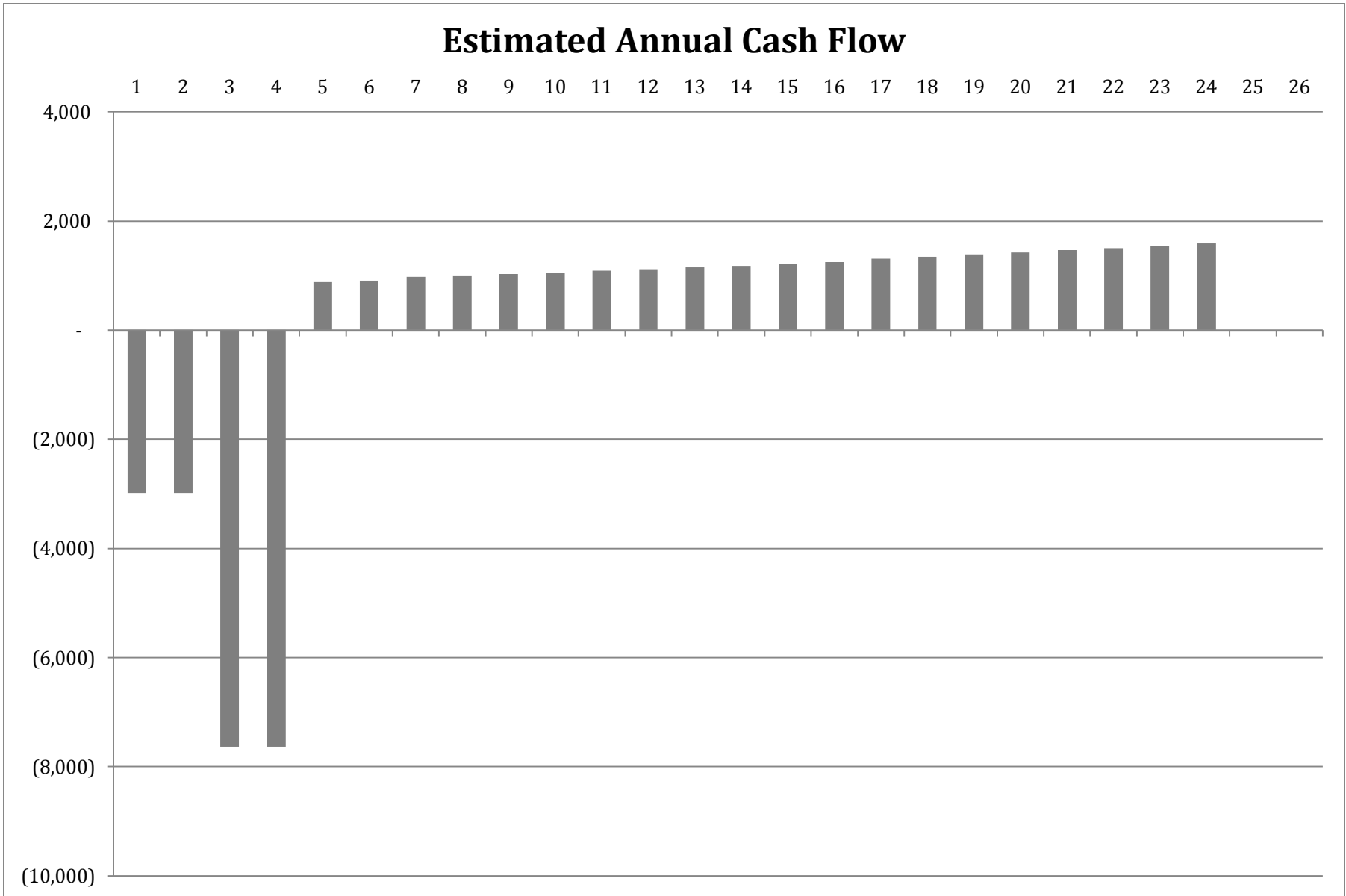
**Individual Student: Community College - Two Years / Public University - Two Years (Four Year Drop Out)
Twenty Year Repayment Estimate**

Starting Income	\$20,771
Income Growth Factor	2.83%
Cost	(21,240)
Paid	24,404
Difference	3,164
Percent of Cost Paid	114.9%
Hours Assumed	107
Income Percent	3.3%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(2,987)	(2,987)	-	-	(2,987)
2	(2,987)	(5,974)	-	-	(2,987)
3	(7,633)	(13,607)	-	-	(7,633)
4	(7,633)	(21,240)	-	-	(7,633)
5	-	-	878	878	878
6	-	-	903	1,781	903
7	-	-	972	2,753	972
8	-	-	999	3,752	999
9	-	-	1,028	4,780	1,028
10	-	-	1,057	5,837	1,057
11	-	-	1,087	6,923	1,087
12	-	-	1,117	8,040	1,117
13	-	-	1,149	9,189	1,149
14	-	-	1,181	10,371	1,181
15	-	-	1,215	11,585	1,215
16	-	-	1,249	12,835	1,249
17	-	-	1,309	14,144	1,309
18	-	-	1,346	15,490	1,346
19	-	-	1,384	16,874	1,384
20	-	-	1,423	18,297	1,423
21	-	-	1,464	19,760	1,464
22	-	-	1,505	21,265	1,505
23	-	-	1,548	22,813	1,548
24	-	-	1,591	24,404	1,591
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Student: Community College - Two Years / Public University - Two Years (Four Year Drop Out)
Twenty Year Repayment Estimate**

Estimated Annual Cash Flow

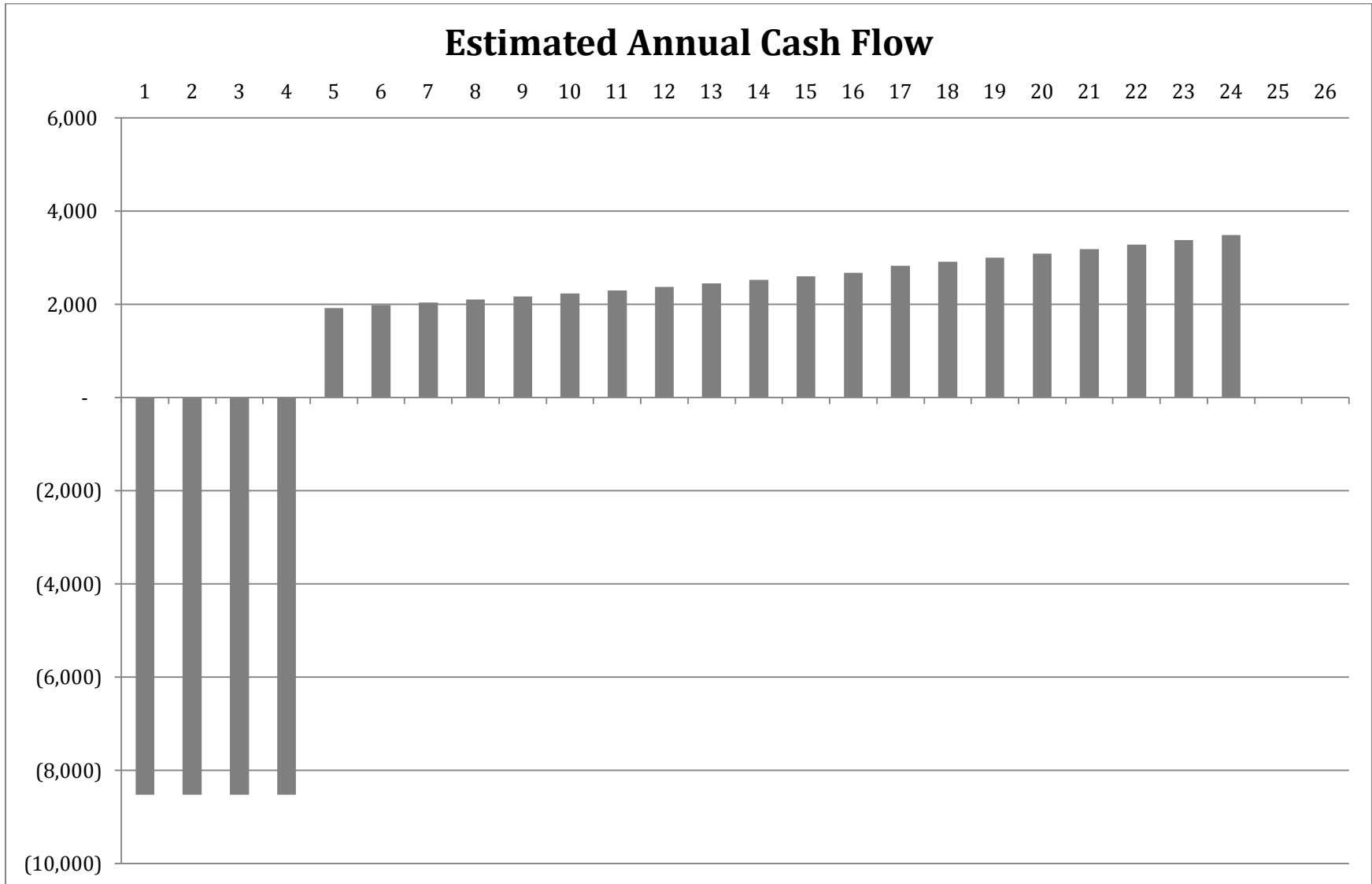


**Individual Public University Student - Four Year Bachelor's Degree
Twenty Year Repayment Estimate**

Starting Income	\$37,989
Income Growth Factor	3.05%
Cost	(34,126)
Paid	52,541
Difference	18,415
Percent of Cost Paid	154.0%
Hours Assumed	120
Income Percent	4.9%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(8,531)	(8,531)	-	-	(8,531)
2	(8,531)	(17,063)	-	-	(8,531)
3	(8,531)	(25,594)	-	-	(8,531)
4	(8,531)	(34,126)	-	-	(8,531)
5	-	-	1,923	1,923	1,923
6	-	-	1,982	3,906	1,982
7	-	-	2,043	5,948	2,043
8	-	-	2,105	8,053	2,105
9	-	-	2,169	10,222	2,169
10	-	-	2,235	12,458	2,235
11	-	-	2,303	14,761	2,303
12	-	-	2,374	17,135	2,374
13	-	-	2,446	19,581	2,446
14	-	-	2,521	22,102	2,521
15	-	-	2,598	24,699	2,598
16	-	-	2,677	27,376	2,677
17	-	-	2,825	30,201	2,825
18	-	-	2,911	33,112	2,911
19	-	-	3,000	36,112	3,000
20	-	-	3,091	39,203	3,091
21	-	-	3,186	42,389	3,186
22	-	-	3,283	45,672	3,283
23	-	-	3,383	49,055	3,383
24	-	-	3,486	52,541	3,486
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Public University Student - Four Year Bachelor's Degree
Twenty Year Repayment Estimate**

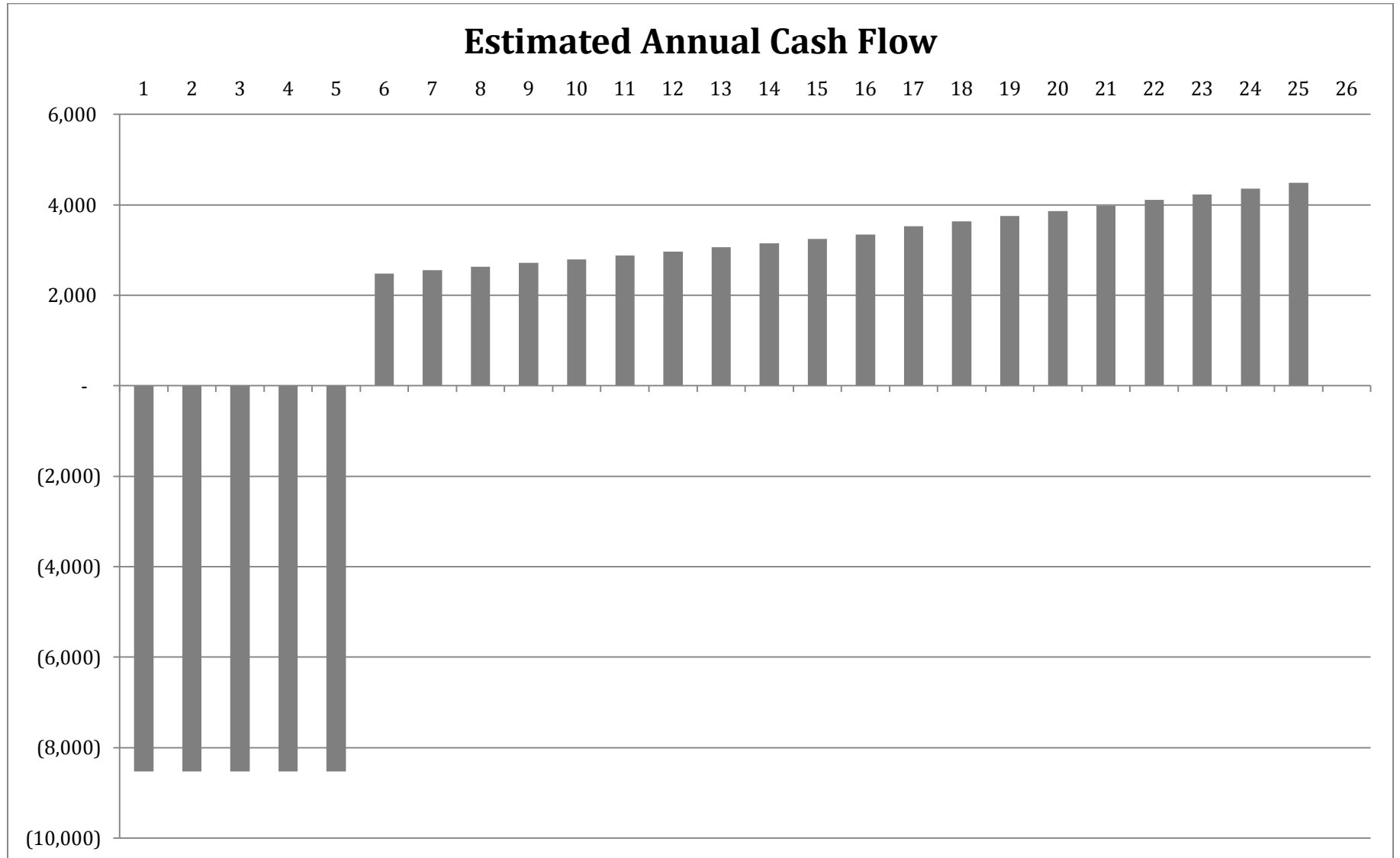


**Individual Public University Student - Five Year Bachelor's Degree
Twenty Year Repayment Estimate**

Starting Income	\$37,989
Income Growth Factor	3.05%
Cost	(42,657)
Paid	67,762
Difference	25,105
Percent of Cost Paid	158.9%
Hours Assumed	150
Income Percent	6.1%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(8,531)	(8,531)	-	-	(8,531)
2	(8,531)	(17,063)	-	-	(8,531)
3	(8,531)	(25,594)	-	-	(8,531)
4	(8,531)	(34,126)	-	-	(8,531)
5	(8,531)	(42,657)	-	-	(8,531)
6	-	-	2,478	2,478	2,478
7	-	-	2,553	5,031	2,553
8	-	-	2,631	7,662	2,631
9	-	-	2,711	10,374	2,711
10	-	-	2,794	13,168	2,794
11	-	-	2,879	16,047	2,879
12	-	-	2,967	19,014	2,967
13	-	-	3,058	22,072	3,058
14	-	-	3,151	25,223	3,151
15	-	-	3,247	28,470	3,247
16	-	-	3,346	31,816	3,346
17	-	-	3,531	35,347	3,531
18	-	-	3,639	38,986	3,639
19	-	-	3,750	42,735	3,750
20	-	-	3,864	46,600	3,864
21	-	-	3,982	50,582	3,982
22	-	-	4,104	54,685	4,104
23	-	-	4,229	58,914	4,229
24	-	-	4,358	63,272	4,358
25	-	-	4,491	67,762	4,491
26	-	-	-	-	-

**Individual Public University Student - Five Year Bachelor's Degree
Twenty Year Repayment Estimate**



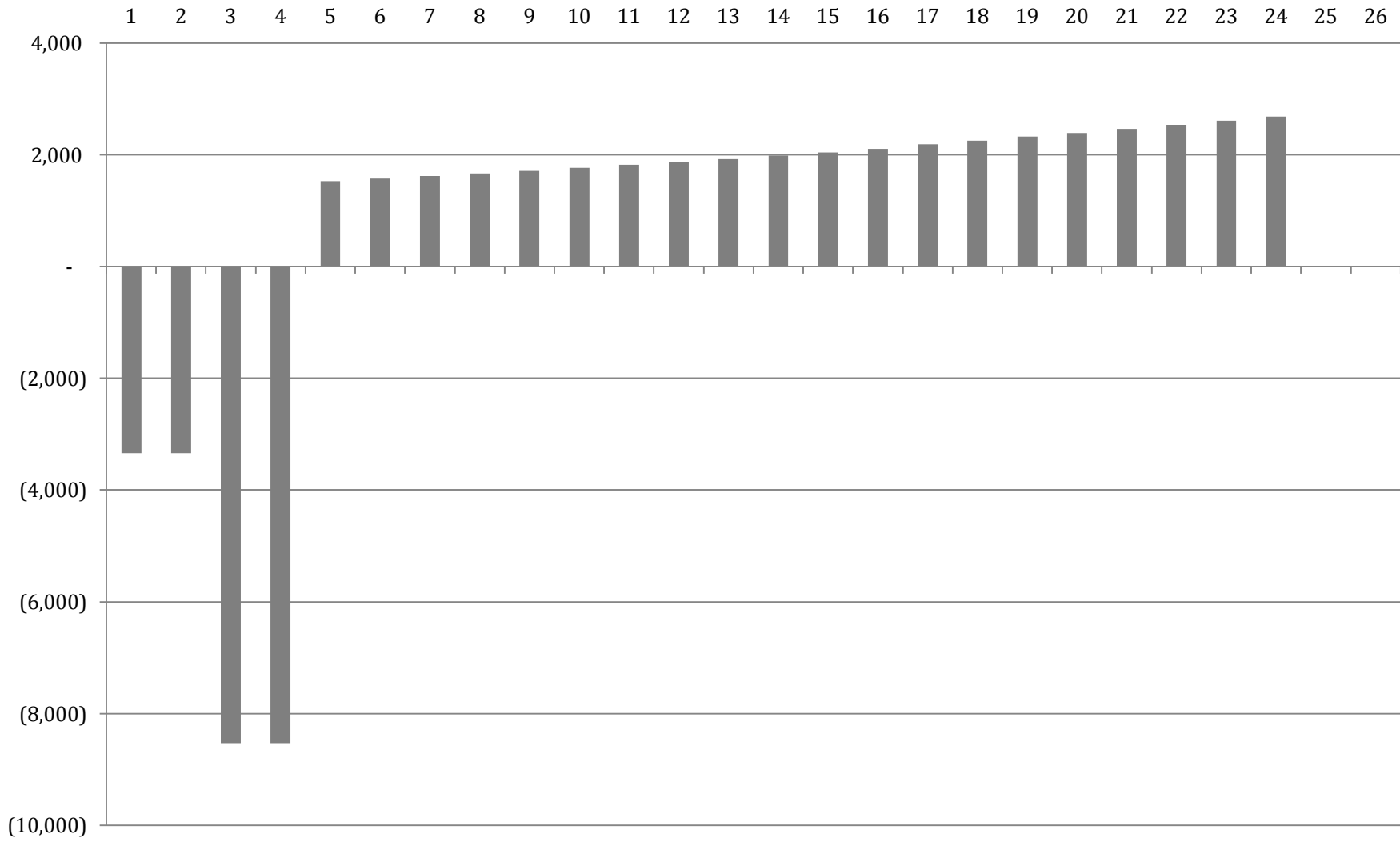
**Individual Student: Community College - Two Years / Public University - Two Years (Four Year Bachelor's Degree)
Twenty Year Repayment Estimate**

Starting Income	\$37,989
Income Growth Factor	3.05%
Cost	(23,739)
Paid	41,103
Difference	17,364
Percent of Cost Paid	173.1%
Hours Assumed	120
Income Percent	3.8%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(3,338)	(3,338)	-	-	(3,338)
2	(3,338)	(6,676)	-	-	(3,338)
3	(8,531)	(15,208)	-	-	(8,531)
4	(8,531)	(23,739)	-	-	(8,531)
5	-	-	1,530	1,530	1,530
6	-	-	1,575	3,105	1,575
7	-	-	1,621	4,726	1,621
8	-	-	1,669	6,395	1,669
9	-	-	1,718	8,113	1,718
10	-	-	1,769	9,882	1,769
11	-	-	1,821	11,702	1,821
12	-	-	1,874	13,576	1,874
13	-	-	1,929	15,505	1,929
14	-	-	1,986	17,491	1,986
15	-	-	2,044	19,536	2,044
16	-	-	2,104	21,640	2,104
17	-	-	2,193	23,833	2,193
18	-	-	2,258	26,091	2,258
19	-	-	2,324	28,416	2,324
20	-	-	2,393	30,808	2,393
21	-	-	2,463	33,271	2,463
22	-	-	2,535	35,807	2,535
23	-	-	2,610	38,417	2,610
24	-	-	2,687	41,103	2,687
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Student: Community College - Two Years / Public University - Two Years (Four Year Bachelor's Degree)
Twenty Year Repayment Estimate**

Estimated Annual Cash Flow



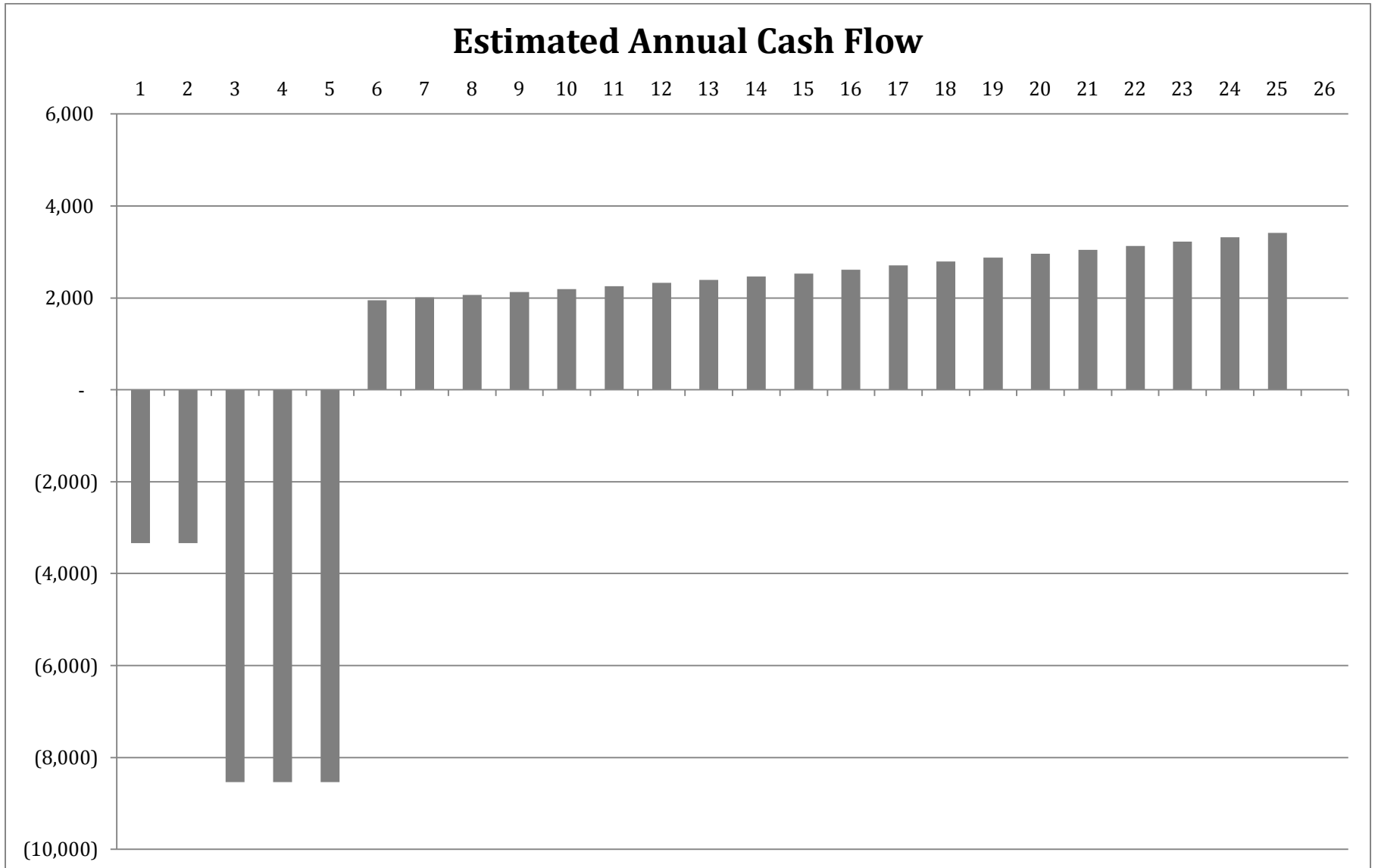
**Individual Student: Community College - Two Years / Public University - Three Years (Five Year Bachelor's Degree)
Twenty Year Repayment Estimate**

Starting Income	\$37,989
Income Growth Factor	3.05%
Cost	(32,271)
Paid	52,388
Difference	20,117
Percent of Cost Paid	162.3%
Hours Assumed	133
Income Percent	4.4%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(3,338)	(3,338)	-	-	(3,338)
2	(3,338)	(6,676)	-	-	(3,338)
3	(8,531)	(15,208)	-	-	(8,531)
4	(8,531)	(23,739)	-	-	(8,531)
5	(8,531)	(32,271)	-	-	(8,531)
6	-	-	1,951	1,951	1,951
7	-	-	2,009	3,960	2,009
8	-	-	2,068	6,028	2,068
9	-	-	2,128	8,156	2,128
10	-	-	2,191	10,347	2,191
11	-	-	2,255	12,602	2,255
12	-	-	2,322	14,924	2,322
13	-	-	2,390	17,314	2,390
14	-	-	2,460	19,775	2,460
15	-	-	2,533	22,307	2,533
16	-	-	2,607	24,914	2,607
17	-	-	2,711	27,625	2,711
18	-	-	2,791	30,416	2,791
19	-	-	2,873	33,289	2,873
20	-	-	2,957	36,246	2,957
21	-	-	3,044	39,290	3,044
22	-	-	3,134	42,424	3,134
23	-	-	3,226	45,649	3,226
24	-	-	3,321	48,970	3,321
25	-	-	3,418	52,388	3,418
26	-	-	-	-	-

**Individual Student: Community College - Two Years / Public University - Three Years (Five Year Bachelor's Degree)
Twenty Year Repayment Estimate**

Estimated Annual Cash Flow

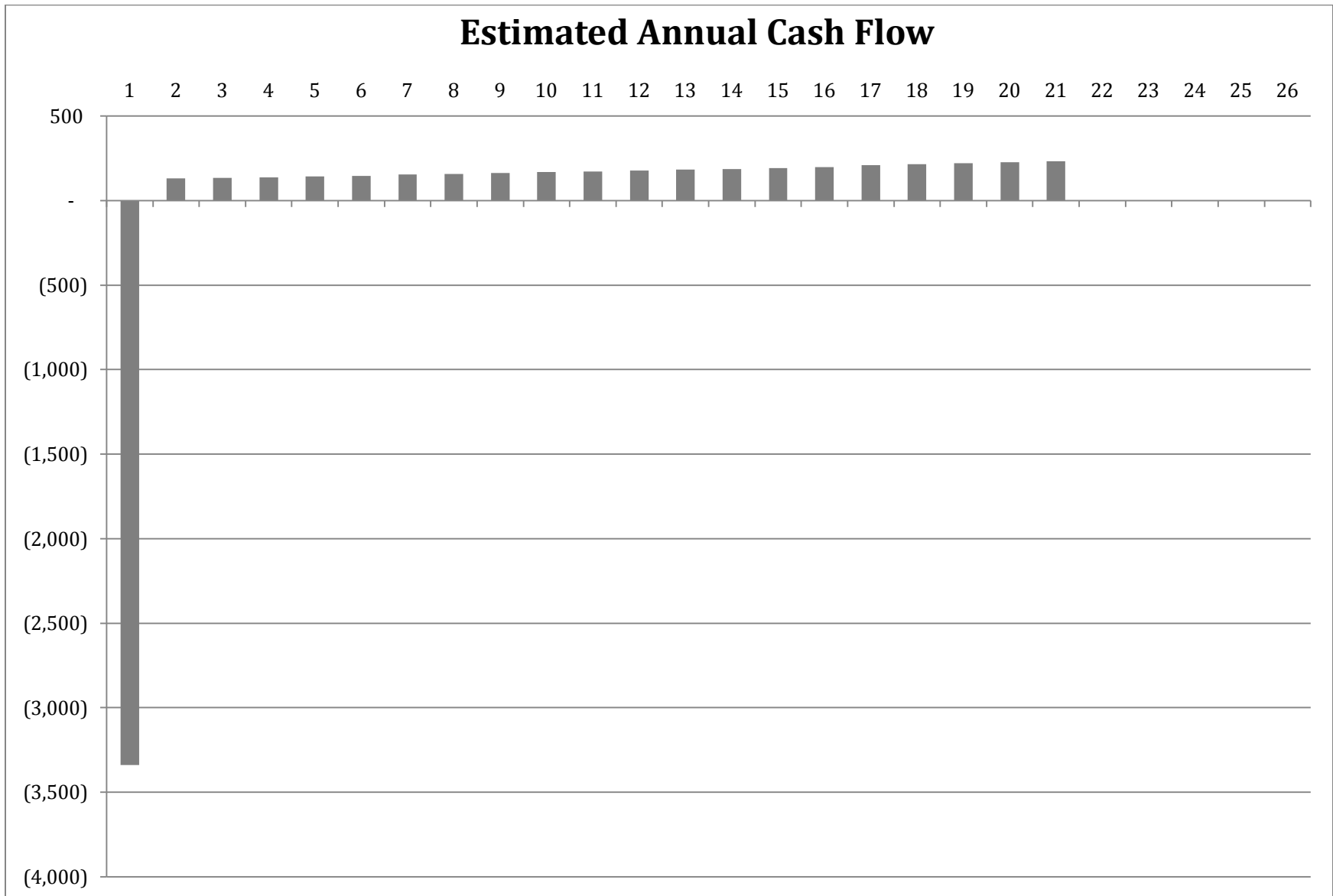


**Individual Community College Student - One Year Certificate
Twenty Year Repayment Estimate**

Starting Income	\$23,079
Income Growth Factor	2.83%
Cost	(3,338)
Paid	3,555
Difference	217
Percent of Cost Paid	106.5%
Hours Assumed	25
Income Percent	0.6%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(3,338)	(3,338)	-	-	(3,338)
2	-	-	131	131	131
3	-	-	135	266	135
4	-	-	139	404	139
5	-	-	143	547	143
6	-	-	147	694	147
7	-	-	154	848	154
8	-	-	159	1,007	159
9	-	-	163	1,170	163
10	-	-	168	1,338	168
11	-	-	173	1,510	173
12	-	-	177	1,688	177
13	-	-	183	1,870	183
14	-	-	188	2,058	188
15	-	-	193	2,251	193
16	-	-	198	2,449	198
17	-	-	209	2,658	209
18	-	-	215	2,873	215
19	-	-	221	3,094	221
20	-	-	227	3,321	227
21	-	-	234	3,555	234
22	-	-	-	-	-
23	-	-	-	-	-
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Community College Student - One Year Certificate
Twenty Year Repayment Estimate**



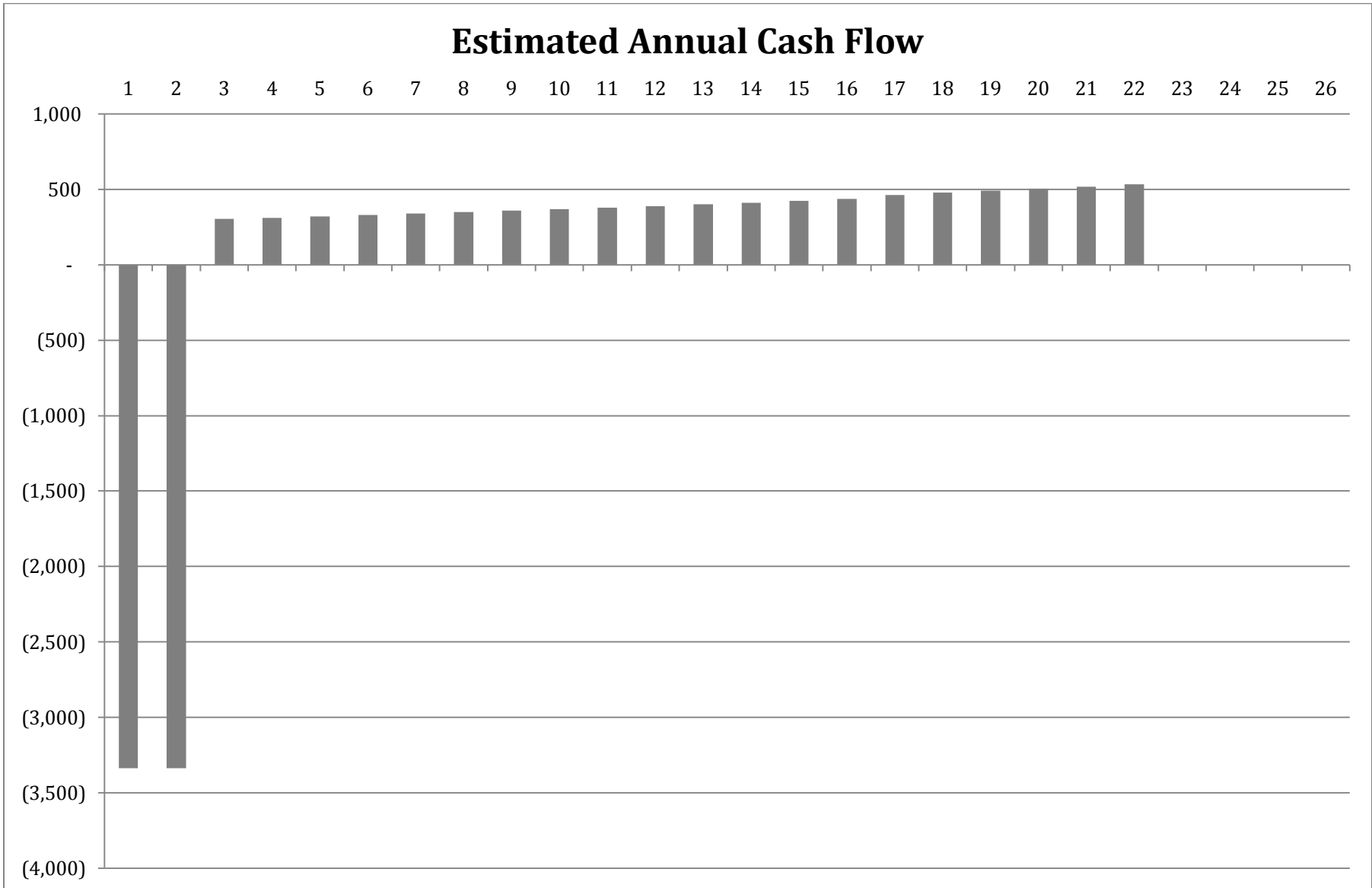
**Individual Community College Student - Two Year Certificate
Twenty Year Repayment Estimate**

Starting Income	\$23,079
Income Growth Factor	2.83%
Cost	(6,676)
Paid	8,115
Difference	1,438
Percent of Cost Paid	121.5%
Hours Assumed	57
Income Percent	1.3%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(3,338)	(3,338)	-	-	(3,338)
2	(3,338)	(6,676)	-	-	(3,338)
3	-	-	303	303	303
4	-	-	312	615	312
5	-	-	321	936	321
6	-	-	330	1,265	330
7	-	-	339	1,605	339
8	-	-	349	1,953	349
9	-	-	359	2,312	359
10	-	-	369	2,680	369
11	-	-	379	3,060	379
12	-	-	390	3,449	390
13	-	-	401	3,850	401
14	-	-	412	4,263	412
15	-	-	424	4,686	424
16	-	-	436	5,122	436
17	-	-	465	5,587	465
18	-	-	478	6,065	478
19	-	-	491	6,556	491
20	-	-	505	7,061	505
21	-	-	519	7,581	519
22	-	-	534	8,115	534
23	-	-	-	-	-
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Community College Student - Two Year Certificate
Twenty Year Repayment Estimate**

Estimated Annual Cash Flow



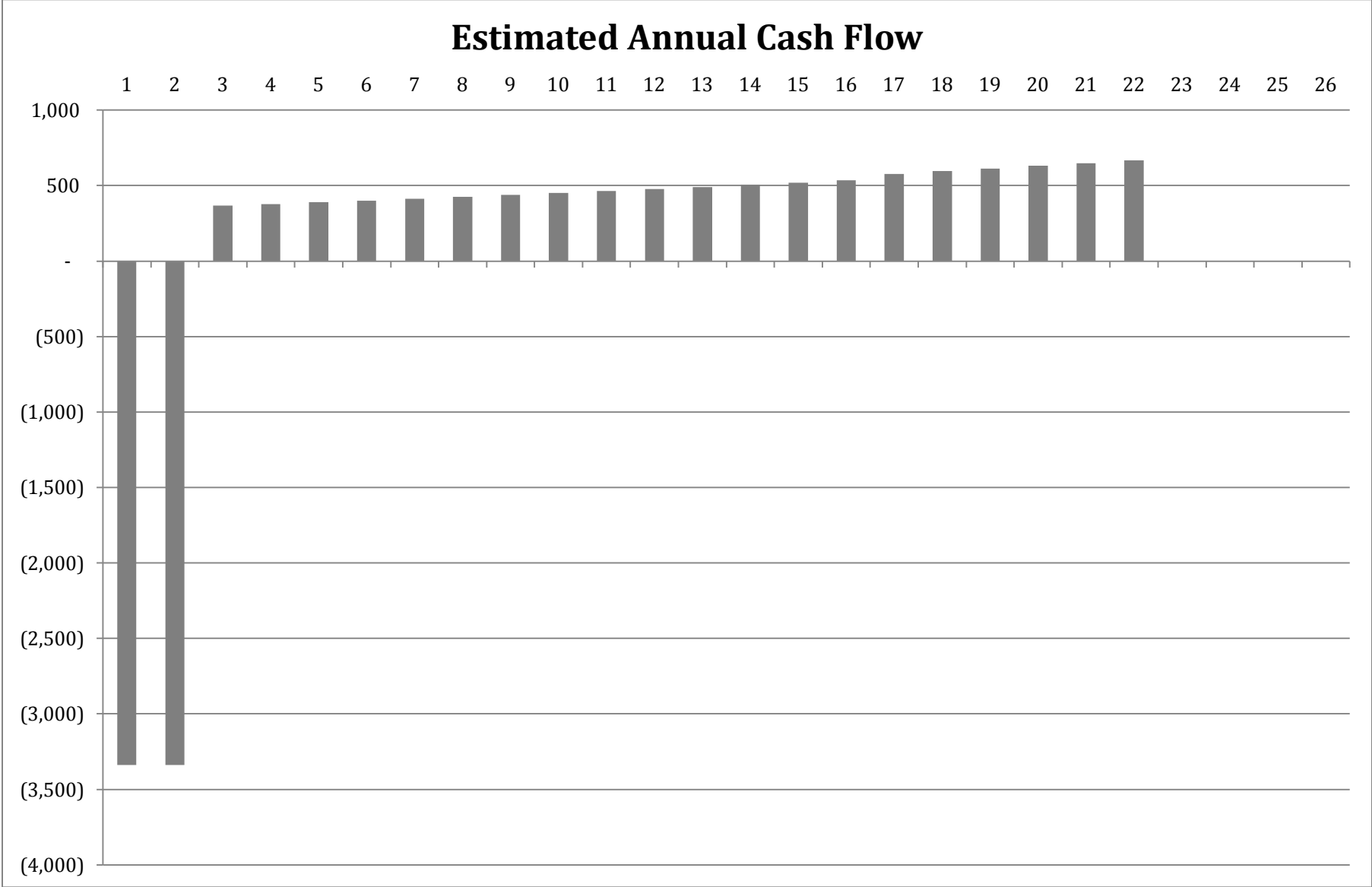
**Individual Community College Student - Associate's Degree
Twenty Year Repayment Estimate**

Starting Income	\$27,925
Income Growth Factor	2.94%
Cost	(6,676)
Paid	9,984
Difference	3,307
Percent of Cost Paid	149.5%
Hours Assumed	60
Income Percent	1.3%

Year	Total Cost	Total Cost	Incremental Revenue	Total Revenue	Annual Cash Flow
1	(3,338)	(3,338)	-	-	(3,338)
2	(3,338)	(6,676)	-	-	(3,338)
3	-	-	367	367	367
4	-	-	378	745	378
5	-	-	389	1,135	389
6	-	-	401	1,535	401
7	-	-	412	1,948	412
8	-	-	425	2,372	425
9	-	-	437	2,809	437
10	-	-	450	3,259	450
11	-	-	463	3,723	463
12	-	-	477	4,199	477
13	-	-	491	4,690	491
14	-	-	505	5,195	505
15	-	-	520	5,715	520
16	-	-	535	6,251	535
17	-	-	578	6,829	578
18	-	-	595	7,424	595
19	-	-	612	8,036	612
20	-	-	630	8,667	630
21	-	-	649	9,316	649
22	-	-	668	9,984	668
23	-	-	-	-	-
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-

**Individual Community College Student - Associate's Degree
Twenty Year Repayment Estimate**

Estimated Annual Cash Flow



As noted on page VI-8, the model indicates that a student who spends five years at a public university (attempting 150 hours) would spend 6.1 percent of his income for 20 years repaying a PIF. If this income percentage seemed too high, the State could also consider a program which called for a repayment period of 25 years and reached a zero cost/revenue sum at 25 years. This 25 year model was also examined.

Using the 25 year repayment period, results from the base model estimate that community college students would need to pay .01601 percent of their income for each credit hour. If a student had 60 credit hours at an Illinois community college, this would be about 1.0 percent of their income

Results from the base model using a 25 year repayment period estimate that public university students would need to pay .02858 percent of their income for each credit hour. If a student had 120 credit hours at an Illinois public university, this would be 3.4 percent of their income.

The estimated Cost/Revenue Cash Flow for the 25 year model is shown on the following page (VI – 39) with a graphical representation of the Cash Flow on the following page (VI-40). The estimated cost is identical to the estimate from the 20 year repayment model. It is estimated that the first year, if only freshmen were included, the cost would be over \$500 million; once all class levels are included, the estimate is \$1.2 billion annually. Again, however, the base model assumed no changes in the amount in the PIF, which would grow in subsequent years if tuition and fees grew.

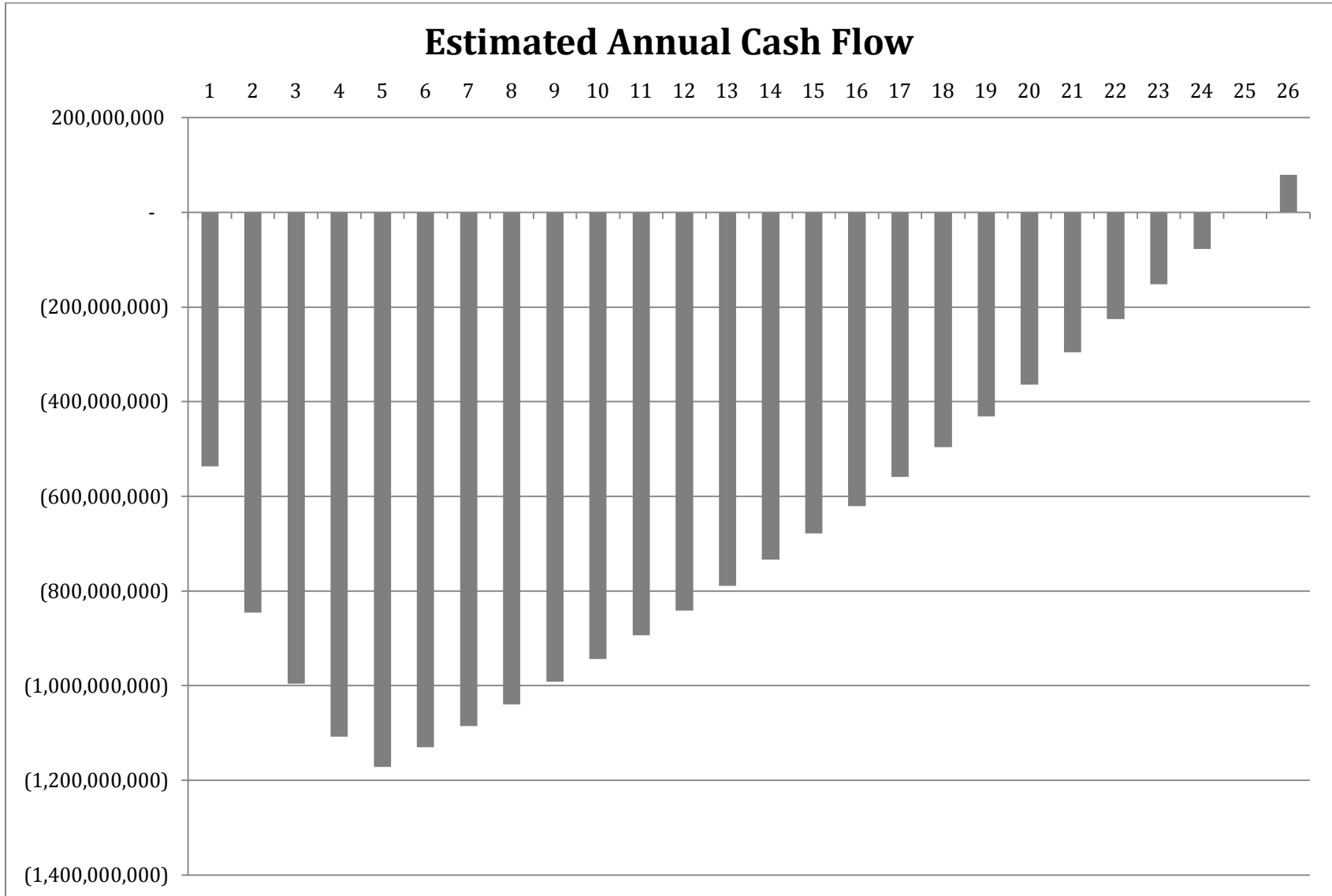
Approximately \$670 million of the \$1.2 billion estimate is attributable to public university students and approximately \$560 million is attributable to community college students. Even though the average amount each public university student was allowed to include in a PIF was substantially higher, there were also fewer public university students – particularly after the exclusion of students from families in the fifth income category.

Page VI-41 shows the summary for the different types of students. The students have to pay a smaller proportion of their income. In the twenty year repayment model, students who attended a community college for 60 hours were expected to pay 1.3% of their income, but in the 25 year repayment model, they were expected to pay 1.0 percent. Again, the highest percentage for the twenty five year repayment model was for students who attempted 150 hours at a public university (4.9 percent), but the percentage was lower than the 6.1 percent expected in the twenty year repayment model. Even though each individual “typical” student was expected to pay a lower proportion of his or her income, (s)he ultimately paid more in the 25 year repayment model because (s)he was paying for five more years.

**Statewide Base Model Community College and Public University Estimate
Twenty Five Year Repayment Model**

Year	Incremental Cost	Total Cost	Incremental Revenue	Total Revenue	Incremental Difference
1	(537,100,000)	(537,100,000)	-	-	(537,100,000)
2	(849,700,000)	(1,386,800,000)	4,300,000	4,300,000	(845,400,000)
3	(1,014,400,000)	(2,401,200,000)	13,800,000	18,100,000	(996,300,000)
4	(1,141,000,000)	(3,542,200,000)	15,300,000	33,400,000	(1,107,600,000)
5	(1,233,200,000)	(4,775,400,000)	27,800,000	61,200,000	(1,172,000,000)
6	(1,233,200,000)	(6,008,600,000)	42,300,000	103,500,000	(1,129,700,000)
7	(1,233,200,000)	(7,241,800,000)	44,600,000	148,100,000	(1,085,100,000)
8	(1,233,200,000)	(8,475,000,000)	45,900,000	194,000,000	(1,039,200,000)
9	(1,233,200,000)	(9,708,200,000)	47,200,000	241,200,000	(992,000,000)
10	(1,233,200,000)	(10,941,400,000)	48,600,000	289,800,000	(943,400,000)
11	(1,233,200,000)	(12,174,600,000)	50,000,000	339,800,000	(893,400,000)
12	(1,233,200,000)	(13,407,800,000)	51,500,000	391,300,000	(841,900,000)
13	(1,233,200,000)	(14,641,000,000)	53,000,000	444,300,000	(788,900,000)
14	(1,233,200,000)	(15,874,200,000)	54,600,000	498,900,000	(734,300,000)
15	(1,233,200,000)	(17,107,400,000)	56,200,000	555,100,000	(678,100,000)
16	(1,233,200,000)	(18,340,600,000)	57,800,000	612,900,000	(620,300,000)
17	(1,233,200,000)	(19,573,800,000)	61,200,000	674,100,000	(559,100,000)
18	(1,233,200,000)	(20,807,000,000)	63,000,000	737,100,000	(496,100,000)
19	(1,233,200,000)	(22,040,200,000)	64,900,000	802,000,000	(431,200,000)
20	(1,233,200,000)	(23,273,400,000)	66,800,000	868,800,000	(364,400,000)
21	(1,233,200,000)	(24,506,600,000)	68,700,000	937,500,000	(295,700,000)
22	(1,233,200,000)	(25,739,800,000)	70,700,000	1,008,200,000	(225,000,000)
23	(1,233,200,000)	(26,973,000,000)	72,800,000	1,081,000,000	(152,200,000)
24	(1,233,200,000)	(28,206,200,000)	75,000,000	1,156,000,000	(77,200,000)
25	(1,233,200,000)	(29,439,400,000)	77,200,000	1,233,200,000	-
26	(1,233,200,000)	(30,672,600,000)	79,400,000	1,312,600,000	79,400,000
27	(1,233,200,000)	(31,905,800,000)	81,800,000	1,394,400,000	161,200,000
28	(1,233,200,000)	(33,139,000,000)	81,800,000	1,476,200,000	243,000,000
29	(1,233,200,000)	(34,372,200,000)	81,800,000	1,558,000,000	324,800,000
30	(1,233,200,000)	(35,605,400,000)	81,800,000	1,639,800,000	406,600,000
31	(1,233,200,000)	(36,838,600,000)	81,800,000	1,721,600,000	488,400,000

**Statewide Base Model Community College and Public University Estimate
Twenty Five Year Repayment Model**



**Statewide Base Model Community College and Public University Estimate
Twenty Five Year Repayment Model**

	1 YR DO at Pub U	2 YR DO at Pub U	3 YR DO at Pub U	4 YR DO at Pub U	1 YR DO at CC	2 YR DO at CC	4 YR DO at CC/Pub U
Starting Income	\$20,771	\$20,771	\$20,771	\$20,771	\$20,771	\$20,771	\$20,771
Income Growth Factor	2.83%	2.83%	2.83%	2.83%	2.83%	2.83%	2.83%
Cost Deferred	(7,184)	(16,165)	(25,145)	(34,126)	(3,338)	(6,676)	(21,240)
Cost Repaid through PIF	6,217	13,643	22,549	30,715	3,492	7,645	24,652
Difference	(968)	(2,522)	(2,597)	(3,411)	154	969	3,411
Percent Paid Back	86.5%	84.4%	89.7%	90.0%	104.6%	114.5%	116.1%
Hours Assumed PIFed	25	57	88	120	25	57	107
Income Percent PIFed	0.7%	1.6%	2.5%	3.4%	0.4%	0.9%	2.4%
	4 Year BA at Pub U	5 Year BA at Pub U	4 Year BA at CC/Pub U	5 Year BA at CC/Pub U	1 Year Cert at CC	2 Year Cert at CC	2 Year AA at CC
Starting Income	\$37,989	\$37,989	\$37,989	\$37,989	\$23,079	\$23,079	\$27,925
Income Growth Factor	3.05%	3.05%	3.05%	3.05%	2.83%	2.83%	2.94%
Cost Deferred	(34,126)	(42,657)	(23,739)	(32,271)	(3,338)	(6,676)	(6,676)
Cost Repaid through PIF	52,906	68,207	42,522	54,326	3,653	8,343	10,276
Difference	18,780	25,550	18,783	22,056	315	1,666	3,600
Percent Paid Back	155.0%	159.9%	179.1%	168.3%	109.4%	125.0%	153.9%
Hours Assumed PIFed	120	150	120	133	25	57	60
Income Percent PIFed	3.4%	4.3%	2.7%	3.1%	0.4%	0.9%	1.0%

The model used to estimate cost and revenue for this study has a number of shortcomings. For example, if families from the fifth income category are excluded, the model is sensitive to the distribution of families among the categories. This model used IPEDS data for full-time, first-time degree/certificate seeking undergraduate students paying in-state or in-district tuition and fees who receive federal Title IV aid (including loans) to estimate the distribution of all students among all income levels.

Also, the continuation into graduate studies was not even considered. On average, between 2010 and 2013, over 12,500 Master's and nearly 3,000 doctorate degrees were conferred in Illinois. Even if these costs are not allowed in a PIF program, deferment of payment while these students are in graduate studies is probable. The increased income potential of these students upon completion would also have a significant impact on revenue. These impacts require additional analysis.

Postsecondary enrollment is extremely complex. Students start and stop. A number of them take longer than five years to graduate. Some are in the workforce for a number of years between the time they start and the time they finish. This model took a number of liberties with enrollment to try to create a "typical" cohort that could be followed through a definite time period. This will not happen in reality. Thus, the methodology used to estimate cost and revenue likely needs to be reviewed and improved by qualified consultants before the State invests hundreds of millions of dollars in a PIF program.

It is, however, a start and will hopefully provide a tangible starting place to help inform discussions should Illinois policy makers choose to further explore a PIF program.

Appendix VI-A:

Estimated FTE PIF Modeling Cohort by Institution and Income Level

Institution Name	\$0 - \$30,000	30,001 - \$48,000	\$48,001 - 75,000	\$75,001 - \$110,000	\$110,001 or Greater	TOTAL FTE
Chicago State University	2,789	663	426	155	141	4,174
Eastern Illinois University	1,073	603	1,123	1,955	4,259	9,013
Governors State University						
Illinois State University	1,016	895	1,531	3,695	10,557	17,693
Northeastern Illinois University	3,206	1,495	1,003	647	605	6,956
Northern Illinois University	2,826	1,572	2,076	3,118	6,632	16,223
Southern Illinois University-Carbondale	2,916	1,390	1,827	2,650	5,001	13,784
Southern Illinois University-Edwardsville	1,240	813	1,419	2,579	4,197	10,249
University of Illinois at Chicago	3,591	1,971	2,443	2,747	4,997	15,748
University of Illinois at Springfield	356	239	344	621	830	2,390
University of Illinois at Urbana-Champaign	2,615	1,953	3,339	5,937	17,084	30,927
Western Illinois University	1,450	881	1,253	2,224	4,015	9,823
Number By Quintile	23,078	12,475	16,783	26,327	58,318	136,981
Black Hawk College	1,406	568	580	458	376	3,389
Carl Sandburg College	891	219	225	66	39	1,441
City Colleges of Chicago-Harold Washington College	4,376	1,104	514	51	89	6,135
City Colleges of Chicago-Harry S Truman College	3,643	556	186	16	55	4,455
City Colleges of Chicago-Kennedy-King College	3,113	350	157	61	69	3,750
City Colleges of Chicago-Malcolm X College	3,232	491	107	16	-	3,846
City Colleges of Chicago-Olive-Harvey College	2,460	354	125	20	8	2,967
City Colleges of Chicago-Richard J Daley College	2,557	643	407	92	54	3,752
City Colleges of Chicago-Wilbur Wright College	4,011	1,281	607	84	-	5,983
College of DuPage	4,190	2,122	2,210	2,199	2,167	12,889
College of Lake County	3,651	1,157	1,217	817	817	7,659
Danville Area Community College	1,178	265	232	105	40	1,820
Elgin Community College	1,712	853	1,038	853	1,049	5,505
Frontier Community College	164	55	66	16	22	323
Harper College	2,772	1,352	1,367	1,191	1,289	7,971
Heartland Community College	1,122	460	578	534	691	3,385
Highland Community College	643	281	300	142	101	1,467
Illinois Central College	2,721	1,085	1,249	836	593	6,484
Illinois Valley Community College	1,033	471	466	233	250	2,453
John A Logan College	2,310	671	388	81	32	3,483
John Wood Community College	530	231	318	278	137	1,494
Joliet Junior College	3,157	1,466	1,382	1,271	1,296	8,572
Kankakee Community College	919	383	689	191	153	2,336
Kaskaskia College	2,088	217	119	32	35	2,491
Kishwaukee College	1,290	431	412	315	417	2,864
Lake Land College	1,940	650	662	453	244	3,949
Lewis and Clark Community College	1,246	418	378	430	935	3,406
Lincoln Land Community College	1,973	620	613	447	388	4,041
Lincoln Trail College	246	107	104	69	23	548
McHenry County College	1,070	788	756	386	402	3,402
Moraine Valley Community College	3,553	1,867	1,539	766	808	8,533
Morton College	1,027	447	321	82	13	1,890
Oakton Community College	2,835	1,413	1,096	293	196	5,834
Olney Central College	380	160	139	72	108	859
Parkland College	3,483	438	466	393	382	5,162
Prairie State College	2,059	699	342	47	47	3,193
Rend Lake College	972	496	345	117	53	1,983
Richland Community College	1,148	294	261	29	-	1,732
Rock Valley College	2,542	993	870	425	221	5,051
Sauk Valley Community College	753	241	282	135	77	1,488
Shawnee Community College	872	251	128	10	-	1,261
South Suburban College	2,182	575	256	59	-	3,071
Southeastern Illinois College	673	157	86	8	-	924
Southwestern Illinois College	5,632	524	455	266	250	7,128
Spoon River College	478	192	219	82	87	1,058
Triton College	3,357	1,465	922	273	237	6,254
Wabash Valley College	389	148	127	22	22	708
Waubonsee Community College	2,087	766	864	724	750	5,191
Number By Quintile	96,067	30,775	26,169	15,548	15,022	183,581

Appendix VI-B

Average Incomes by Program and Award Level and Weighted Average by Award Level

PROGRAM	AWARD LEVEL	Average Number of Degrees 2010 - 2013	Annual Entry Level	Annual Medium Level	Annual Experienced Level
Agriculture, Agriculture Operations and Related Sciences	Bachelor's degree	790	\$ 39,473	\$ 49,360	\$ 57,394
Architecture and Related Services	Bachelor's degree	305	\$ 49,174	\$ 73,528	\$ 92,094
Area, Ethnic, Cultural, Gender, and Group Studies	Bachelor's degree	187	\$ 26,639	\$ 55,314	\$ 68,877
Biological and Biomedical Sciences	Bachelor's degree	1,897	\$ 57,698	\$ 79,933	\$ 97,877
Business, Management, Marketing, and Related Support Services	Bachelor's degree	5,283	\$ 36,700	\$ 55,425	\$ 72,690
Communication, Journalism, and Related Programs	Bachelor's degree	2,026	\$ 30,073	\$ 52,688	\$ 69,891
Communications Technologies/Technicians and Support Services	Bachelor's degree	41	\$ 55,365	\$ 79,808	\$ 95,259
Computer and Information Sciences and Support Services	Bachelor's degree	714	\$ 59,799	\$ 84,748	\$ 101,594
Education	Bachelor's degree	3,552	\$ 35,715	\$ 51,414	\$ 62,369
Engineering	Bachelor's degree	1,980	\$ 57,527	\$ 76,496	\$ 91,928
Engineering Technologies and Engineering-related Fields	Bachelor's degree	598	\$ 57,527	\$ 76,496	\$ 91,928
English Language and Literature/Letters	Bachelor's degree	1,122	\$ 29,446	\$ 47,123	\$ 67,540
Family and Consumer Sciences/Human Sciences	Bachelor's degree	608	\$ 48,386	\$ 71,150	\$ 88,938
Foreign Languages, Literatures, and Linguistics	Bachelor's degree	360	\$ 25,639	\$ 35,127	\$ 43,407
Health Professions and Related Programs	Bachelor's degree	2,317	\$ 36,394	\$ 48,781	\$ 57,083
History	Bachelor's degree	764	\$ 22,158	\$ 28,904	\$ 47,874
Homeland Security, Law Enforcement, Firefighting, and Related Protective Service	Bachelor's degree	1,130	\$ 41,525	\$ 59,362	\$ 71,598
Legal Professions and Studies	Bachelor's degree	47	\$ 38,796	\$ 58,772	\$ 86,504
Liberal Arts and Sciences, General Studies and Humanities	Bachelor's degree	1,468	\$ 34,317	\$ 51,414	\$ 67,540
Mathematics and Statistics	Bachelor's degree	448	\$ 54,686	\$ 74,669	\$ 91,582
Mechanic and Repair Technologies/Technicians	Bachelor's degree	31	\$ 43,284	\$ 59,630	\$ 67,847
Multi/Interdisciplinary Studies	Bachelor's degree	196	\$ 34,317	\$ 51,414	\$ 67,540
Natural Resources and Conservation	Bachelor's degree	108	\$ 44,288	\$ 62,073	\$ 76,726
Parks, Recreation, Leisure and Fitness Studies	Bachelor's degree	1,117	\$ 31,869	\$ 46,475	\$ 53,877
Personal and Culinary Services	Bachelor's degree	15	\$ 30,002	\$ 46,452	\$ 57,202
Philosophy and Religious Studies	Bachelor's degree	134	\$ 21,808	\$ 23,212	\$ 58,911
Physical Sciences	Bachelor's degree	552	\$ 43,706	\$ 65,834	\$ 81,762
Psychology	Bachelor's degree	2,145	\$ 28,543	\$ 41,910	\$ 51,820
Public Administration and Social Service Professions	Bachelor's degree	446	\$ 28,093	\$ 41,013	\$ 51,374
Social Sciences	Bachelor's degree	2,490	\$ 28,093	\$ 41,013	\$ 51,374
Transportation and Materials Moving	Bachelor's degree	114	\$ 50,958	\$ 70,665	\$ 84,338
Visual and Performing Arts	Bachelor's degree	1,236	\$ 34,317	\$ 51,901	\$ 68,012
		34,218			
Weighted Average	Bachelor's degree		\$ 37,989	\$ 55,008	\$ 69,121

Average Incomes by Program and Award Level and Weighted Average by Award Level

PROGRAM	AWARD LEVEL	Average Number of Degrees 2010 - 2013	Annual Entry Level	Annual Medium Level	Annual Experienced Level
Agriculture, Agriculture Operations and Related Sciences	Award of less than 1 academic year	185	\$ 20,309	\$ 27,897	\$ 32,809
Business, Management, Marketing, and Related Support Services	Award of less than 1 academic year	2,054	\$ 22,791	\$ 32,955	\$ 46,922
Communication, Journalism, and Related Programs	Award of less than 1 academic year	8	\$ 20,635	\$ 29,593	\$ 40,597
Communications Technologies/Technicians and Support Services	Award of less than 1 academic year	95	\$ 29,202	\$ 40,169	\$ 48,846
Computer and Information Sciences and Support Services	Award of less than 1 academic year	912	\$ 36,141	\$ 54,517	\$ 66,548
Construction Trades	Award of less than 1 academic year	211	\$ 27,828	\$ 48,908	\$ 61,720
Education	Award of less than 1 academic year	7	\$ 19,594	\$ 25,333	\$ 33,663
Engineering Technologies and Engineering-related Fields	Award of less than 1 academic year	882	\$ 33,560	\$ 45,536	\$ 55,076
English Language and Literature/Letters	Award of less than 1 academic year	3	\$ 24,039	\$ 34,602	\$ 45,719
Family and Consumer Sciences/Human Sciences	Award of less than 1 academic year	1,718	\$ 22,200	\$ 35,663	\$ 50,695
Foreign Languages, Literatures, and Linguistics	Award of less than 1 academic year	64	\$ 25,639	\$ 35,127	\$ 43,407
Health Professions and Related Programs	Award of less than 1 academic year	11,086	\$ 21,870	\$ 28,012	\$ 33,725
Homeland Security, Law Enforcement, Firefighting, and Related Protective Service	Award of less than 1 academic year	1,093	\$ 19,383	\$ 23,744	\$ 30,051
Legal Professions and Studies	Award of less than 1 academic year	132	\$ 29,643	\$ 39,430	\$ 47,593
Liberal Arts and Sciences, General Studies and Humanities	Award of less than 1 academic year	7	\$ 20,921	\$ 28,520	\$ 38,710
Library Science	Award of less than 1 academic year	21	\$ 19,614	\$ 25,071	\$ 31,303
Mechanic and Repair Technologies/Technicians	Award of less than 1 academic year	2,150	\$ 25,662	\$ 41,157	\$ 52,947
Multi/Interdisciplinary Studies	Award of less than 1 academic year	9	\$ 20,921	\$ 28,520	\$ 38,710
Natural Resources and Conservation	Award of less than 1 academic year	7	\$ 31,901	\$ 44,779	\$ 50,846
Parks, Recreation, Leisure and Fitness Studies	Award of less than 1 academic year	30	\$ 18,707	\$ 21,246	\$ 28,502
Personal and Culinary Services	Award of less than 1 academic year	757	\$ 19,961	\$ 23,810	\$ 29,793
Physical Sciences	Award of less than 1 academic year	5	\$ 29,870	\$ 44,249	\$ 54,432
Precision Production	Award of less than 1 academic year	906	\$ 22,091	\$ 32,506	\$ 42,751
Public Administration and Social Service Professions	Award of less than 1 academic year	10	\$ 19,760	\$ 28,520	\$ 38,710
Science Technologies/Technicians	Award of less than 1 academic year	3	\$ 34,872	\$ 48,474	\$ 57,216
Social Sciences	Award of less than 1 academic year	10	\$ 19,760	\$ 28,520	\$ 38,710
Transportation and Materials Moving	Award of less than 1 academic year	2,754	\$ 21,207	\$ 28,214	\$ 34,668
Visual and Performing Arts	Award of less than 1 academic year	143	\$ 18,716	\$ 21,667	\$ 35,854
		25,258			
Weighted Average	Award of less than 1 academic year		\$ 23,079	\$ 31,756	\$ 40,075

Average Incomes by Program and Award Level and Weighted Average by Award Level

PROGRAM	AWARD LEVEL	Average Number of Degrees 2010 - 2013	Annual Entry Level	Annual Medium Level	Annual Experienced Level
Agriculture, Agriculture Operations and Related Sciences	Award of at least 1 but less than 2 academic years	246	\$ 20,309	\$ 27,897	\$ 32,809
Biological and Biomedical Sciences	Award of at least 1 but less than 2 academic years	-	\$ 29,205	\$ 36,984	\$ 42,469
Business, Management, Marketing, and Related Support Services	Award of at least 1 but less than 2 academic years	632	\$ 22,791	\$ 32,955	\$ 46,922
Communication, Journalism, and Related Programs	Award of at least 1 but less than 2 academic years	5	\$ 20,499	\$ 30,140	\$ 40,542
Communications Technologies/Technicians and Support Services	Award of at least 1 but less than 2 academic years	31	\$ 29,202	\$ 40,169	\$ 48,846
Computer and Information Sciences and Support Services	Award of at least 1 but less than 2 academic years	132	\$ 36,141	\$ 54,517	\$ 66,548
Construction Trades	Award of at least 1 but less than 2 academic years	425	\$ 27,828	\$ 48,908	\$ 61,720
Education	Award of at least 1 but less than 2 academic years	30	\$ 19,594	\$ 25,333	\$ 33,663
Engineering Technologies and Engineering-related Fields	Award of at least 1 but less than 2 academic years	186	\$ 26,990	\$ 36,628	\$ 44,237
English Language and Literature/Letters	Award of at least 1 but less than 2 academic years	2	\$ 24,039	\$ 34,602	\$ 45,719
Family and Consumer Sciences/Human Sciences	Award of at least 1 but less than 2 academic years	224	\$ 22,200	\$ 35,663	\$ 50,695
Foreign Languages, Literatures, and Linguistics	Award of at least 1 but less than 2 academic years	24	\$ 25,639	\$ 35,127	\$ 43,407
Health Professions and Related Programs	Award of at least 1 but less than 2 academic years	2,887	\$ 21,870	\$ 28,012	\$ 33,725
Homeland Security, Law Enforcement, Firefighting, and Related Protective Service	Award of at least 1 but less than 2 academic years	259	\$ 19,383	\$ 23,744	\$ 30,051
Legal Professions and Studies	Award of at least 1 but less than 2 academic years	100	\$ 29,643	\$ 39,430	\$ 47,593
Library Science	Award of at least 1 but less than 2 academic years	32	\$ 19,614	\$ 25,071	\$ 31,303
Mechanic and Repair Technologies/Technicians	Award of at least 1 but less than 2 academic years	651	\$ 25,662	\$ 41,157	\$ 52,947
Parks, Recreation, Leisure and Fitness Studies	Award of at least 1 but less than 2 academic years	29	\$ 18,707	\$ 21,246	\$ 28,502
Personal and Culinary Services	Award of at least 1 but less than 2 academic years	597	\$ 19,961	\$ 23,810	\$ 29,793
Precision Production	Award of at least 1 but less than 2 academic years	156	\$ 22,091	\$ 32,506	\$ 42,751
Public Administration and Social Service Professions	Award of at least 1 but less than 2 academic years	14	\$ 19,760	\$ 28,520	\$ 38,710
Science Technologies/Technicians	Award of at least 1 but less than 2 academic years	11	\$ 34,872	\$ 48,474	\$ 57,216
Transportation and Materials Moving	Award of at least 1 but less than 2 academic years	1	\$ 21,207	\$ 28,214	\$ 34,668
Visual and Performing Arts	Award of at least 1 but less than 2 academic years	28	\$ 18,716	\$ 21,667	\$ 35,854
		6,699		\$	
Weighted Average	Award of at least 1 but less than 2 academic years		\$ 23,079	31,756	\$ 40,075

Average Incomes by Program and Award Level and Weighted Average by Award Level

PROGRAM	AWARD LEVEL	Average Number of Degrees 2010 - 2013	Annual Entry Level	Annual Medium Level	Annual Experienced Level
Agriculture, Agriculture Operations and Related Sciences	Associate's degree	417	\$ 27,602	\$ 34,907	\$ 41,801
Business, Management, Marketing, and Related Support Services	Associate's degree	1,297	\$ 22,791	\$ 32,955	\$ 46,922
Communication, Journalism, and Related Programs	Associate's degree	39	\$ 27,719	\$ 40,406	\$ 52,341
Communications Technologies/Technicians and Support Services	Associate's degree	101	\$ 42,193	\$ 57,478	\$ 65,305
Computer and Information Sciences and Support Services	Associate's degree	546	\$ 42,021	\$ 69,396	\$ 83,752
Construction Trades	Associate's degree	170	\$ 27,828	\$ 48,908	\$ 61,720
Education	Associate's degree	72	\$ 19,594	\$ 25,333	\$ 33,663
Engineering	Associate's degree	135	\$ 34,872	\$ 48,474	\$ 57,216
Engineering Technologies and Engineering-related Fields	Associate's degree	486	\$ 33,394	\$ 49,092	\$ 57,887
English Language and Literature/Letters	Associate's degree	1	\$ 24,039	\$ 34,602	\$ 45,719
Family and Consumer Sciences/Human Sciences	Associate's degree	466	\$ 22,200	\$ 35,663	\$ 50,695
Foreign Languages, Literatures, and Linguistics	Associate's degree	32	\$ 25,639	\$ 35,127	\$ 43,407
Health Professions and Related Programs	Associate's degree	5,011	\$ 38,765	\$ 53,267	\$ 62,344
Homeland Security, Law Enforcement, Firefighting, and Related Protective Service	Associate's degree	1,128	\$ 25,250	\$ 33,424	\$ 42,047
Legal Professions and Studies	Associate's degree	192	\$ 29,643	\$ 39,430	\$ 47,593
Liberal Arts and Sciences, General Studies and Humanities	Associate's degree	13,470	\$ 25,445	\$ 35,017	\$ 46,321
Library Science	Associate's degree	14	\$ 27,983	\$ 45,815	\$ 57,419
Mechanic and Repair Technologies/Technicians	Associate's degree	839	\$ 25,662	\$ 41,157	\$ 52,947
Multi/Interdisciplinary Studies	Associate's degree	5,672	\$ 25,445	\$ 35,017	\$ 46,321
Natural Resources and Conservation	Associate's degree	14	\$ 31,901	\$ 44,779	\$ 50,846
Parks, Recreation, Leisure and Fitness Studies	Associate's degree	34	\$ 18,707	\$ 21,246	\$ 28,502
Personal and Culinary Services	Associate's degree	297	\$ 19,961	\$ 23,810	\$ 29,793
Precision Production	Associate's degree	97	\$ 22,091	\$ 32,506	\$ 42,751
Public Administration and Social Service Professions	Associate's degree	104	\$ 19,760	\$ 28,520	\$ 38,710
Science Technologies/Technicians	Associate's degree	4	\$ 34,872	\$ 48,474	\$ 57,216
Transportation and Materials Moving	Associate's degree	31	\$ 34,550	\$ 46,172	\$ 52,871
Visual and Performing Arts	Associate's degree	263	\$ 24,131	\$ 34,755	\$ 43,501
		30,930			
Weighted Average	Associate's degree		\$ 27,925	\$ 38,919	\$ 49,766